CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
May 29	**Monroe, Mich.**	May 11
May 29	Richmond, Va.	May 25
May 30	Mebane, N. C.	May 25
May 31	Thief River Falls, Minn.	May 11
May 31	River Rouge, Mich.	May 25
May 31	Buffalo, N. Y.	May 25
May 31	Cleveland, O.	May 25
June 1	Bay City, Mich.	May 11
June 1	Birmingham, Mich.	May 18
June 1	Lakeland, Fla.	May 25
June 2	Wauwatosa, Wis.	May 25
June 5	Euclid, O.	May 18
June 5	North Tonawanda, N. Y.	May 18
June 5	Bristow, Okla.	May 25
June 6	Ely, Minn.	May 11
June 6	Columbus, O.	May 25
June 8	Pompton Lakes, N. J. Adv. May 25.	May 25
June 9	Sauk Center, Minn.	May 25
June 12	Sioux Falls, S. D.	May 11
June 12	Mendham, N. J. Adv. May 25.	May 25
June 14	Hendersonville, N. C. Adv. May 25.	May 25
June 15	Covington, Va. Adv. May 25.	May 25

SEWERS

Bids Close		See Eng. News-Record
May 29	Quebec	May 18
May 29	Long Island City, N. Y.	May 25
May 31	Thief River Falls, Minn.	May 11
May 31	Ann Arbor, Mich. Adv. May 18 and 25.	May 18
May 31	Paterson, N. J.	May 18
May 31	Brooklyn, N. Y.	May 25
June 1	East Aurora, N. Y.	May 11
June 1	Lima, O.	Apr. 13
June 1	Phila., Pa.	May 18
June 1	Winnebago, Minn.	May 25
June 1	Chicago, Ill.	May 25
June 1	Cleveland, O.	May 25
June 1	Sandusky, O.	May 25
June 2	Ceredo, W. Va.	May 25
June 5	Hackensack, N. J.	May 11
June 5	Euclid, O.	May 18
June 5	Bristow, Okla.	May 25
June 6	Huntingburg, Ind.	May 11
June 6	Lexington, N. C. Adv. May 18 and 25.	May 18
June 6	Wilson, N. Y. Adv. May 18 and 25.	May 18
June 6	Westbrook, Minn.	May 18
June 6	Oklahoma City, Okla. Adv. May 25.	May 25
June 6	De Forest, Wis.	May 25
June 7	Wash., D. C. Adv. May 18 and 25.	May 18
June 10	Paducah, Ky. Adv. May 25.	May 25
June14	Scottsville, N. Y. Adv. May 25.	May 25
June 19	Blasdell, N. Y.	May 25
July 1	Hamburg, N. Y.	May 18

BRIDGES

Bids Close		See Eng. News-Record
May 29	Green Bay, Wis.	May 11
May 29	New Jersey	May 11
May 29	Coeymans, N. Y.	May 25
May 29	Frewsburg, N. Y.	May 25
May 30	Toronto, Ont.	May 25
May 31	Phila., Pa. Adv. May 4 to 25.	May 4
May 31	London, Ont.	May 25
June 1	Washington	May 4
June 1	Phila., Pa.	May 18
June 1	Wisconsin	May 25
June 2	Spencer, Ia.	May 25
June 3	Seattle, Wash.	May 11
June 3	Moraine (Dayton P. O.), O.	May 11
June 3	Eureka, Cal.	May 25
June 6	Wahpeton, N. D.	May 25
June 6	Baraboo, Wis.	May 25
June 7	Baltimore, Md. Adv. May 25.	May 25
June 7	Weston, W. Va.	May 25
June 10	St. Maries, Idaho Adv. May 25.	May 25
June 12	Woodstown, N. J. Adv. May 18 and 25.	May 18
June 12	Nebraska	May 25
June 13	Miranda, Cal.	May 25
June 14	New Haven, Conn. Adv. May 18 and 25.	May 18
June 14	Corning, Ia.	May 18

Bids Close		See Eng. News-Record
June 14	Clearwater, Fla. Adv. May 25.	May 25
June 15	Denver, Col. Adv. May 25.	May 25
June 21	Schenectady, N. Y. Adv. May 25.	May 25
July 5	Sturgis, S. D.	May 18
Oct. 31	Sydney, Australia	Jan. 12

DAMS

Bids Close		See Eng. News-Record
June 8	Greensboro, N. C. Adv. May 25.	May 25

EXCAVATION AND DREDGING

Bids Close		See Eng. News-Record
May 29	Fayette, Ala.	Apr. 27
June 1	Bemidji, Minn.	May 18
June 3	Lodi, Wis.	May 25
June 5	Cumberland, Ont.	May 25
June 5	Marshall, Minn.	May 25
June 6	Fairmont, Minn.	May 25
June 8	Boonville, Ind. Adv. May 18 and 25.	May 18
June 9	Welland, Ont.	May 25
June 15	Eudora, Ark.	May 18
June 15	New Ulm, Minn.	May 25

STREETS AND ROADS

Bids Close		See Eng. News-Record
May 26	Toms River, N. J. Adv. May 11 to 25.	May 11
May 26	Michigan	May 25
May 29	Plainfield, N. J.	May 11
May 29	Ebensburg, Pa.	May 11
May 29	San Diego, Cal.	May 18
May 29	Ebensburg, Pa.	May 18
May 29	Quebec	May 18
May 29	Santa Rosa, Cal.	May 18
May 29	Chicago, Ill.	May 25
May 29	Carroll, Ia.	May 25
May 29	Kansas City, Kan.	May 25
May 29	Montreal, Que.	May 25
May 29	Stratford, Ont.	May 25
May 29	Phila., Pa.	May 25
May 29	Long Island City, N. Y.	May 25
May 29	Santa Ana, Cal.	May 25
May 30	Pensacola, Fla. Adv. May 18 and 25.	May 18
May 30	Quebec	May 18
May 30	Quebec	May 25
May 30	Binbrook, Ont.	May 25
May 31	Manchula, Fla.	Apr. 13
May 31	Ridgefield Park, N. J. Adv. May 11 to 25.	May 11
May 31	Albuquerque, N. M.	May 11
May 31	South Carolina	May 11
May 31	Ohio	May 18
May 31	Ebensburg, Pa.	May 18
May 31	Sumter, S. C.	May 18
May 31	Bridgeton, N. J.	May 18
May 31	Michigan	May 25
May 31	Wash., D. C. Adv. May 25.	May 25
May 31	Maryland Adv. May 18 and 25.	May 25
May 31	Mankato, Minn.	May 25
May 31	Brooklyn, N. Y.	May 25
May 31	Virginia	May 25
May 31	Nevada	May 25
May 31	Auburn, N. Y. Adv. May 25.	May 25
June 1	Seneca Falls, N. Y.	May 18
June 1	Charleston, S. C.	May 11
June 1	Charles City, Ia.	May 18
June 1	Wyoming	May 18
June 1	Corydon, Ia.	May 18
June 1	Romney, W. Va.	May 25
June 1	Charlottsville, Va.	May 25
June 1	Wisconsin	May 25
June 1	McKinney, Tex.	May 25
June 1	Sycamore, Ill.	May 25
June 1	Brainerd, Minn.	May 25
June 1	Winnebago, Minn.	May 25
June 2	Belvidere, N. J. Adv. May 11 to 25.	May 11
June 2	Olympia, Wash.	May 18
June 2	Colorado	May 25
June 2	Spencer, Ia.	May 25
June 2	Michigan	May 25
June 2	Westfield, N. Y. Adv. May 25.	May 25
June 2	Trenton, N. J. Adv. May 25.	May 25
June 3	Canyon, Tex	May 25
June 5	California	May 18
June 5	Susquehanna, Pa. Adv. May 18 and 25.	May 18
June 5	Dallas, Tex.	May 18
June 5	Scotia, N. Y.	May 18
June 5	Benld, Ill.	May 25
June 5	Fresno, Cal.	May 25
June 5	Minneapolis, Minn.	May 25
June 5	Jasper, Fla.	May 25
June 6	Trenton, N. J. Adv. May 18 and 25.	May 18
June 6	Alabama	May 18

Bids Close		See Eng. News-Record
June 6	Rochester, N. Y.	May 11
June 6	West Virginia Adv. May 18 and 25.	May 18
June 6	Maryland Adv. May 25.	May 25
June 6	Michigan	May 25
June 6	Hillsdale, N. J. Adv. May 25.	May 25
June 6	Waterloo, Ia.	May 25
June 6	Grosse Pointe Park (Detroit P. O.), Mich.	May 25
June 6	Bay Springs, Miss.	May 25
June 6	Trenton, N. J. Adv. May 25.	May 25
June 6	Gainesville, Fla.	May 25
June 7	Ft. Myers, Fla.	Apr. 27
June 7	Belvidere, N. J. Adv. May 18 and 25.	May 18
June 7	Titusville, Fla.	May 25
June 8	Michigan	May 25
June 8	Buckhannon, W. Va.	May 25
June 8	Cadiz, O.	May 25
June 9	Tennessee	May 18
June 9	Ebensburg, Pa.	May 25
June 9	Lesueur Center, Minn.	May 25
June 12	Easton, Md. Adv. May 25.	May 25
June 12	Berkeley Springs, W. Va.	May 11
June 12	Nebraska	May 25
June 12	California	May 25
June 13	Reidsville, N. C.	May 25
June 13	New York Adv. May 25.	May 25
June 14	Corning, Ia.	May 18
June 14	Clearwater, Fla. Adv. May 25.	May 25
June 14	Worthington, Minn.	May 25
June 15	Galesburg, Ill.	May 25
June 20	Clarksville, Ga.	May 25
June 21	Avon, N. J. Adv. May 25.	May 25
June 24	Fairmont, W. Va.	May 25

INDUSTRIAL WORK

Bids Close		See Eng. News-Record
May 29	Altoona, Pa.	May 18
May 29	New York, N. Y.	May 25
May 29	Washington, Pa.	May 25
May 29	Welland, Ont.	May 25
May 30	Galt, Ont.	May 25
June 2	Holmesburg (Phila. P. O.), Pa.	May 25
June 5	Wash., D. C. Adv. May 25.	May 25
June 5	New York, N. Y.	May 25
June 7	Marcy, N. Y. Adv. May 25.	May 25

BUILDINGS

Bids Close		See Eng. News-Record
May 29	Columbus, O.	May 11
May 29	San Mateo, Cal.	May 18
May 29	Murfreesboro, Cal.	May 18
May 29	Newcastle, Ind.	May 25
May 30	Newcastle, Ind.	May 25
May 30	Ottawa, Ont.	May 25
May 31	Solvay (Syracuse P. O.), N. Y.	May 18
May 31	Virginia, Minn.	May 18
May 31	Reidsville, N. C.	May 25
May 31	San Francisco, Cal.	May 25
June 1	Montrose, Col.	May 18
June 1	Memphis, Tenn.	May 11
June 1	Jonesboro, Ark.	May 4
June 1	Scottsbluff, Neb.	May 4
June 1	Vanceboro, N. C.	May 25
June 1	Millersburg, O.	May 25
June 1	Elmira Heights, N. Y.	May 25
June 1	Ironton, O.	May 25
June 1	Ottawa, Ont.	May 25
June 2	New York, N. Y.	May 4
June 2	East Cleveland	May 25
June 2	Beaver Dam, Wis.	May 25
June 3	Trotwood, O.	May 11
June 3	Mason City, Ia.	May 11
June 3	New Britain, Conn.	May 25
June 3	Granville, O.	May 25
June 5	Clayton, O.	May 11
June 5	Napa, Cal.	May 25
June 5	Sparta, Wis.	May 25
June 5	Maspeth (Flushing P. O.), N. Y.	May 25
June 6	Mazomanie, Wis.	May 25
June 8	Minneapolis, Minn.	May 11
June 8	Lincoln, Neb.	May 11
June 8	Greensboro, N. C.	May 18
June 8	Cambridge, O.	May 25
June 9	Julietta (Indianapolis), Ind.	May 25
June 9	Springfield, O.	Mya 25
June 10	Wickliffe, O.	May 25
June 12	Batavia, N. Y.	May 25
June 13	Chariton, Ia.	May 25
June 15	Miami, Fla.	May 25
June 15	Ashland, Ky.	May 25
June 15	Nazareth Pa.	May 25
June 16	Decatur, Ind.	May 25

Bids Close		See Eng. News-Record
June 19	Oak Hill, O.	May 25
June 23	Riverhead, N. Y.	May 25
June 24	Winchester, Va.	May 18
July 1	Perry, N. Y.	May 4

FEDERAL GOVERNMENT WORK

May 29	Remodeling, etc.—Buffalo, N. Y.	May 4
May 31	Dwelling, etc.—Point Isabel, Tex.	May 4
May 31	Post Office—Dawson, Ga.	May 11
May 31	Roof—New York, N. Y.	May 18
May 31	Storehouse — Presidio (San Francisco P. O.), Cal.	May 25
May 31	Radio Quarters — Sayville, N. Y.	May 25
June 1	Dredging—Chicago, Ill.	May 18
June 2	Road Oil, etc.—Wauwatosa, Wis.	May 25
June 5	Post Office — Front Royal, Va.	May 18
June 6	Canals, etc.—Great Falls, Mont.	Apr. 27
June 6	Car Shed, etc. — New York, N. Y.	May 25
June 7	Machine Shop—Pearl Harbor, H. T.	Apr. 13
June 7	Boathouse, etc.—Point Judith, R. I. Adv. May 18 and 25.	May 18
June 7	Tank—Pensacola, Fla.	May 25
June 7	Radio Quarters—Mare Island, Cal.	May 25
June 9	Barracks, etc. — Boston, Mass.	May 18
June 14	Radio Quarters, etc.—San Juan, P. R.	May 25
June 19	Dam—Chilo, O. Adv. May 25.	May 25
June 19	Dam—Vanceburg, Ky. Adv. May 25.	May 25
June 22	Stone—Bar Harbor, Me. Adv. May 25.	May 25
June 26	Steel Hulls — Nashville, Tenn. Adv. May 25.	May 25
June 27	Hospital—St. Louis, Mo. Adv. May 25	May 25
June 28	Drainage—Malta, Mont.	May 18

MISCELLANEOUS

May 29	Crushed Limestone, etc. —St. Paul, Minn.	May 25
May 30	Jaw Crusher and Road Roller —Florida	May 25
May 30	Swimming Baths—Ottawa, Ont.	May 25
May 31	Stadium—Chicago, Ill.	May 11
May 31	Bulkhead—Chicago, Ill.	May 11
June 1	Bridge Paint — Lansing, Mich.	May 18
June 5	Circular Pipe—Manchester, N. H.	May 25
June 5	Electric Distribution System —Hillsboro, N. D.	May 25
June 5	Dumping Scows—New York, N. Y.	May 18
June 6	Tainter Gate, etc.—Baldwinsville, N. Y.	May 11
July 19	Turbine and Accessories — New Orleans, La. Adv. May 18 and 25.	May 18

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Utica—Consolidated Water Co., 712 Washington St., plans extending mains. $80,000-$100,000. F. C. Hopkins, pres.

N. C., Asheville—See "Streets and Roads."

O., Columbus—See "Streets and Roads."

Neb., Lincoln—Plans laying 1¼ mi. 4 and 6 in. c.i. mains in 48th St. from South to Glade Sts., Glade St. from 48th to 51st Sts., 51st St. from Galde St. to Normal Blvd., Normal Blvd. from 51st to 53rd Sts., 53rd St. from Normal to Myrtle Sts., Myrtle St. from 53rd to 56th Sts., and 56th St. from Myrtle to South Sts. G. W. Bates, city engr.

Tex., Electra—Voted $80,000 bonds waterworks improvements. C. E. McDannald, mayor.

Tex., Lamesa—Having plans prepared by Elrod Eng. Co., Interurban Bldg., Dallas, for waterworks improvements. $60,000. M. M. Horton, city secy.

Wash., Puyallup—Voted $75,000 bonds to replace waterworks system, iron or wood pipe. O. C. Gregory, Puyallup, engr.

Wash., Tacoma—Plans replacing 30 in. wooden main in South Cushman Dist. with 20 in. c.i. pipe. $84,550. E. C. Manley, city engr.

Cal., Montecito—Bd. Dirs. Water Dist. having plans prepared for complete waterworks system. F. C. Finkle, 448-449 I. W. Hellman Bldg., Los Angeles, engr.

Cal., Sonoma—Rejected bids opened April 5, furnishing and delivering one 10 hp. motor with centrifugal pump, 75 gal. per minute capacity, and 220 gal. capacity storage tank. Noted March 30.

BIDS DESIRED

N. Y., Buffalo—May 31, by Dept. Pub. Wks., 5 Municipal Bldg., furnishing 20 in. iron pipe for high pressure water line.

N. Y., Scottsville—See "Sewers."

N. J., Mendham—June 12, by Mayor and Boro Council, at Fire House, Main St., constructing slow sand water-filters and appurtenances; laying mains, setting hydrants, valves, etc.; furnishing about 250 ton hub and spigot c.i. water pipe and about 6,000 lb. hub and spigot special castings. L. Robinson, clk.; adv. this issue.

N. J., Pompton Lakes—June 8, by Boro Council, Municipal Bldg., furnishing and installing pipe line. Runyon & Carey, 845 Broad St., Newark, consult. engrs.; adv. this issue.

Va., Covington—June 15, by Mayor, mechanical filtration plant, Contrs. A and B. C. P. Barnett, consult. engr.; adv. this issue.

Va., Richmond—May 29, at office of Dept. of Public Utilities, furnishing water meters. E. W. Trafford, dir.

N. C., Hendersonville—June 15, by Bd. Water Comrs., waterworks improvements. G. C. White Co., Durham, engrs.; adv. this issue. Noted March 2.

N. C., Mebane—May 30, by W. S. Crawford, mayor, constructing 500,000 gal. rein.-con. filter plant, clear water basin, auxiliary pumping station, two 400 gal. per minute motor driven centrifugal pumps, 6,000 ft. 8 in. c.i. B & S pipe. W. M. Piatt, Durham, engr.

Fla., Lakeland—June 1, for pumping equipment. J. E. Johnson, Lakeland, supt.

O., Cleveland—May 31, by Cuyahoga Co., 42,000 ft. 6-12 in. mains between Brook Park and Snow Rds. west of Ridge Rd., $175,000. Private plans.

O., Columbus—June 6, building 10,800 ft. 12 in. mains. $110,000. C. Hoover, City Hall, engr.

Wis., Wauwatosa—June 2, by A. V. Brigham, city clk., boring artesian well from 1,000-1,700 ft. in depth. J. E. Lowther, City Hall, engr.

Minn., Sauk Center—June 9, by V. Conklin, secy. Water, Light and Power Comn., distribution system, rein.-con. or steel water tower, tubular wells, pumping station, pump equipment, rein-con. reservoir. $110,000. L. P. Wolff, 100 Guardian Life Bldg., St. Paul, engr. Noted March 9.

Okla., Bristow—June 5, by City Clerk, extending waterworks, involving 250,000 gal. rein.-con. reservoir, pump house, deep wells, 7,400 ft. 4-10 in. c.i. pipe, etc. $52,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Mich., River Rouge—May 31, by R. Peters, city clk., concrete, brick or segment block tunnel to carry watermains, pipes and conduits under River Rouge, 8½ or 13 ft. inside diam., also 2 vertical shafts, 50 ft. deep. $100,000. M. L. Brown & Son, 403 Capitol Theatre Bldg., Detroit, engrs. Noted Nov. 17.

BIDS RECEIVED

O., Euclid—Opened bids May 15, 10,760 ft. 8 in. c.i. mains in (1) South Lake Shore Blvd. and Parkview Drs., (2) Green Oak Rd., Hillcrest Dr. and Grand Blvd., (3) Glenridge, Concordia and Champ Drs., from A. J. Galvin, Lennox Bldg., Cleveland, (1) $5,332; A. C. Hattendorf, 13601 6th Ave., Cleveland, (1) $5,568, (3) $13,486; B. H. Whittaker, Noble Rd., Cleveland, (2) $13,745, (3) $12,096; Carroccio & Gaudio, 14109 Benwood Ave., Cleveland, (2) $15,619. Noted April 20.

O., Shaker Heights (Cleveland P. O.)—See "Sewers."

Mich., Detroit—Water Bd. opened bids May 9, 1 story, 250 x 375 ft. brick and steel superstructure for filter house, from W. H. Mueller, 1711 Ford Bldg., $174,800, Everett-Winters Co., 752 Book Bldg., $176,000, Cooper-Widenman Constr. Co., 1430 Penobscot Bldg., $184,000; steel roof trusses with tile roof, from Truscon Steel Co., Owen Bldg., $121,114 alternate bid $118,390; Everett-Winters Co., 752 Book Bldg., $119,000; Michigan Cornice & Slate Co., 639 East Fort St., $127,900. Noted May 4.

CONTRACTS AWARDED

Conn., Kensington — Kensington Fire Dist., extending water supply system, to J. E. Driscoll, 499 Prospect St., Torrington; castings, pipe, etc., to United States Cast Iron Pipe & Fdry. Co., Burlington, N. J.; fittings, etc., to Builders Iron Fdry., 9 Codding St., Providence, R. I.; valves, etc., to Ludlow Valve Co., Troy, N. Y.; hydrants, etc., to A. P. Smith Mfg. Co., East Orange, N. J. Total $100,000. Noted Feb. 2.

Minn., Crosby—Deep well pump, 500 gal. per min., electric motor, 3 phase, 60-cycle, 220 volts, to Kent Eng. Co., Omaha, Neb. (connected with Aurora Pump Co., Aurora, Ill.). $3,232. Noted May 11.

Wyo., Mills—Concrete filter bed and mains, to Mills Constr. Co., Mills. $70,000 bonds voted for project. Noted April 2.

Okla., Oklahoma City—Laying 3,800 ton 4-30 in. c.i. pipe, to Sherman Machine & Iron Wks., 18-32 East Main St., $47,980. Noted May 4.

Wash., Mukilteo—Extensions to water system, incl. pipe line to Everett, to Trauman & Co., Seattle, $56,000.

Wash., Puyallup—Replacing water pipe at North Puyallup, 9,280 ft. 12 in. wood and 720 ft. 12 in. c.i. pipe, to J. Payne Co., Tacoma, $16,000. Noted May 25.

Ont., Kingsville—Rebuilding pumping plant and intake, laying additional mains, (mains purchased) to J. Sherman, Main St. $26,000.

Sewers

PROPOSED WORK

R. I., Central Falls—Plans to extend sewerage system. $125,000. S. P. Cummings, city engr.

N. Y., Kenmore—Plans extending storm water and sanitary sewerage systems. $25,000-$30,000. W. Ducker, village pres.

N. Y., Rochester—See "Streets and Roads."

N. C., Asheville—See "Streets and Roads."

N. C., Kinston—See "Streets and Roads."

O., Orient—Dept. Pub. Welfare, 9th and Oak Sts., Columbus, takes bids about June 26, sewage disposal plant, here, for State Institution for Feeble Minded. $25,000. C. A. Harst, Ohio Hartman Bldg., Columbus, engr. Noted May 11.

Neb., Lincoln—Plans laying 1¾ mi. of 8 in. vitr. clay sewers in South St. from 40th to 52nd St., 50th St. from South to Sumner St., 51st St. from South to Sumner St., 52nd St. from South to Sumner St., 48th St. from South to Glade St., 49th St. from South to Glade St. and 50th St. from South to Glade St. G. W. Bates, city engr.

Tex., Houston—Voted $250,000 bonds sanitary sewer extensions. J. C. McVey, city eng. Noted April 13.

Cal., Los Angeles—Having plans prepared sewage treatment plant, 2 rein.-con. reservoirs, 2 rein.-con. settling tanks, 1½ acres concrete filter beds and piping, Ballona Creek. $135,000.

BIDS DESIRED

N. Y., Blasdell—June 19, by Bd. Village Trustees, sewerage system or sewage disposal works. To exceed $25,000. G. M. Foose, village clk. Noted March 30.

N. Y., Brooklyn—May 31, by E. Riegelmann, boro pres., Boro Hall, constructing sewer basins in Ave. K, East 9th and Columbia Sts., and Ave. K and Elmore Pl.

N. Y., Long Island City—May 29, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Chauncey St., from Hoyt Ave. to the crown 520 ft. north of Hoyt Ave.; 4th Ave. from Vandeventer to Astoria Aves., 1st Ward; 77th (Amber) St. from 95th (Chichester) to Atlantic Aves., 4th Ward; Tower Pl. (Oak St.) from point about 500 ft. east of Freedom Ave. to Freedom Ave., 4th Ward.

N. Y., Scottsville—June 14, by Bd. Village Trustees, sewerage system and disposal works also water works system. Hopkins & Field, 349 Cutler Bldg., Rochester, engrs.; adv. this issue. Noted March 30.

W. Va., Ceredo—June 2, sewers in various streets, involving 6,000 lin.ft. 6 in., 5,500 ft. 8 in. and 525 ft. 18 in. concrete pipe, etc. $50,000. A. Smith, Ceredo, engr.

Ky., Paducah—June 10, (change of date), by H. A. Pulliam, comr. Pub. Wks., constructing sewers; **adv. this issue.** Noted May 11.

O., Cleveland—June 1, sewers in East 71st St. from Grant St. S. E. to Oak Ave. S. E., East 89th St. from Fuller Ave. S. E. to point 105 ft. south of Easton Ave., S. E., East 120th St. from Honeydale Ave. S. E. to Forest Ave. S. E., Hydraulic Ave. S. E. from East 55th to East 61st Sts.; intercepting sewer from Treadway Ave. S. W. to Big Creek. To exceed $25,000. R. Hoffman, City Hall, engr.

O., Sandusky—June 1, by Erie Co. sewerage system and disposal plant in Sewer Dist. 2A, 17,952 ft. 8-18 in. vitr. and 1,200

Sewers (Continued)

ft. 10 in. c.i. pipe. $80,000. R. E. Garvin, Davis and Farley Bldg., Cleveland, engrs. Noted March 2.

Ill., Chicago—June 1, by Sanitary Dist. of Chicago, 910 South Michigan Ave., 2,800 ft. sewers and other miscellaneous and collateral work.

Ill., Chicago—June 1, by Bd. Local Impvts., 207 City Hall, for system of brick and tile pipe sewers brick manholes, brick catchbasins, and brick and tile pipe wing sewers in following streets, Clifton Ave. from Lawrence Ave. to Bway., Bway. from Clifton Ave. to Sheridan Rd., Sheridan Rd. from Bway. to Dakin St., Dakin St. from Sheridan Rd. to Rokeby St., Rokeby St. from Dakin St. to Cornelia Ave., Cornelia Ave. from Rokeby St. to Elaine Pl., Elaine Pl. from Cornelia Ave. to Roscoe St., Roscoe St. from Elaine Pl. to Bway., Bway. from Roscoe St. to Oakdale Ave., Oakdale Ave. from Bway. to Sheridan Rd., Sheridan Rd. from Oakdale Ave. to Diversey Parkway, Lake View Ave. from Diversey Parkway to Arlington Pl., Wilson Ave. form Bway. to North Racine Ave., Crescent Pl. from Sheridan Rd. to Clarendon Ave., Grace St. from Rokeby St. to Osgood St., Buckingham St. from Bway. to North Halsted St., Aldine Ave. from Bway. to Sheridan Rd., Briar Pl. from Bway. to Abbott Ct., Barry Ave. from Bway. to point 600 ft. west of Bway., Diversey Parkway from Sheridan Rd. to Hampden Ct., Wrightwood Ave. from Lake View Ave. to Hampden Ct. Work includes taking up old sewers, reconnecting existing sewers, drains and catchbasins that intersect or meet with said improvement, restoring and replacing all pavements, curbing and sidewalks, etc. $1,-750,000. C. D. Hill, ch. engr.

Wis., De Forest—June 6, by C. J. Nordahl, village clk., 12,226 ft. 6-12 in. vitr. pipe sewers, 400 ft. 12 in. wood stave pipe, 41 manholes, 2 flushtanks, 1 bulkhead, two 10 in. sluice gates and one sewage disposal plant. W. G. Kirchoffer, Madison, engr.

Minn., Winnebago—June 1, by J. H. Vosburgh, clk, 6,547 lin.ft. 8-21 in. sewers, 1,680 lin.ft. 8-15 in. inlet connections, 66 inlets, 21 manholes, 2 outlet walls. $25.000. L. P. Wolff, 1001 Guardian Bldg., St. Paul, engr.

Okla., Bristow—June 5, by City Clerk, 24,100 ft. 6-18 in. concrete or vitr. sewers. $62,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Okla., Oklahoma City—June 6, by C. F. Semmelbeck, clk., constructing 1st St. Sewer Dist., Contrs. SA-5, SA-6 and SA-7; adv. this issue.

BIDS RECEIVED

N. Y., New York—H. Bruckner, pres. Bronx Boro, Municipal Bldg., opened bids May 16, sewers in (1) Gerard Ave., (2) Morris Park Ave., etc., from D. Monacci, 627 Degraw St., Brooklyn, (1) $15,381, (2) $9,929; J. L. Sigretto & Son, Woodhaven, (1) $15,706, (2) $8,829; Slattery Eng. & Constr. Co., Inc., (1) $15,899; M. Del Balso, University Ave. and 195th St., (2) $9,092. Noted May 11.

N. J., Paterson—Passaic Valley Sewerage Comrs., 128 Market St., Newark, opened bids May 16, sewer connections in East 33rd and Market Sts., 2nd, 3rd and 20th Aves., here, from R. Diorio & Co., Waterbury, Conn., $33,350; Culp Co., Inc., 412 East 37th St., $35,714; M. Averill, 196 Woodside Ave., Newark, $39,227.

O., Euclid—Opened bids May 15, storm and sanitary sewers in (1) South Lakeshore Blvd. and Parkview Dr., (2) Green Oaks Rd., Grand Blvd., Glenridge, Hillcrest, Concordia and Champ Drs., from A. J. Galvin, Lennox Bldg., Cleveland, (1) $6,860; A. C. Hattendorf, 13601 6th Ave., East Cleveland, (1) $7,729, (2) 3 streets, $16,450; B. J. Whittaker, Noble Rd., Cleveland, (2) $40,917; Corroccio & Gaudio, 14109 Benwood Ave., Cleveland, (2) 3 streets, $26,386. Work involves 19,184 ft. 10-24 in. vitr. pipe. Noted April 20.

O., Shaker Heights (Cleveland P. O.)—For (1) sewers, (2) water mains in Normand Ave., from S. J. Kassouf, 3182 West 25th St., Cleveland, (1) $9,956, (2) $4,540; J. B. Lynn, Euclid, (1) $11,028, (2) $5,326; in Milverton Rd., from C. W. Jackson, 10714 Amor Ave., Cleveland, (1) $28,816, Hadded Mall Co., Schofield Bldg., Cleveland, (1) $29,419, J. A. Dace, Cleveland, (2) $8,002.

Mich., Detroit—Sects. 1 and 2 of Wyoming Ave. Sewer in Lonyo Rd., Warren and Wyoming Aves from Kirkwood to Tireman Aves., involving 6,421 ft. of 11 ft. 6 in. circular section sewer, brick or concrete, from Brandon & Hanna, 1624 Dime Bank Bldg., $304,828; Lennane & McIlvenna, 1205 Book Bldg., $321,004; Nash Bros., 10 La-Salle St., Chicago, $342,948 Noted May 11.

Mich., Detroit—Dept. Pub. Wks., furnishing labor, materials and equipment for constructing 5,446 ft. of 14 ft. circular section sewer, brick or concrete, in open cut or tunnel, in Clark Ave., from Booth & Flinn, Brush and Frederick Sts., $512,660; Jeynes & Affeld, 1208 Ford Bldg., $513,907; Connelly Bros., Little Rock, Ark., $516,386. J. W. Reid, city engr.

Mich., Detroit—Opened bids for lateral sewers as follows: (1) 3520, (2) 3591, (3) 3597, (4) 3602, (5) 3603, (6) 3604, (7) 3605, (8) 3643, (9) 3644, (10) 3645, (11) 3646, (12) 3647, (13) 3648, (14) 3649, (15) 3593, (16) 3595, (17) 3615, (18) 3623, (19) 3626, (20) 3628, (21) 3631, from Judd Co., 2287-12th St., (1) $5,414, (2) $8,402, (5) $6,885; Western Constr. Co., 1208 Ford Bldg., (1) $5,455, (2) $9,785, (4) $6,135, (5) $6,168, (6) $6,054, (7) $14,592, (14) $5,637, (18) $3,985, (21) $9,264; J. L. Westover, Detroit, (1) $4,112; Liberty Constr. Co., 917 Detroit Savings Bank Bldg., (2) $10,770, (9) 7,290, (10) $8,260; Hammen & Co., Mankato, Minn., (3) $6,300, (8) $12,-917, (10) $10,026, (11) $11,045, (12) $12,-000, (15) $5,942, (16) $48,466, (17) $19,506, (18) $3,922, (19) $6,969; Lennane & McIlvenna, 1205 Book Bldg., (4) $6,400, (5) $5,900, (6) $5,900, (7) $13,980, (9) $6,800, (14) $6,200; Langley & Barton, 1608 Pennsylvania Ave., (4) $6,700, (7) $13,552, (16) $45,000; Detroit Drainage Constr. Co., 400 Penobscot Bldg., (8) $10,145, (9) $7,185; J. F. Gentile, 920 Rowena Ave., (8) $8,845; Martin & Krausman Co., Detroit, (10) $9,686; Oakwood Constr. Co., 165 Fort Blvd., (11) $13,000, (12) $13,100, (14) $9,500, (17) $20,000; A. Rossi, 5307 Pennsylvania Ave., (13) $600; P. Capello, Detroit, (15) $6,300; R. D. Baker, 1631 Elmhurst Ave., (15) $6,175, (19) $6,000, (20) $18,325; G. Ponterelli, Wolverine Hotel, (16) $37,598, (17) $18,019, (18) $3,580, (19) $6,330, (20) $17,318, (21) $8,881; R. L. Oakley, 870 Collingwood Ave., (20) $16,975, (21) $9,875.

Mich., Springwells—B. P. Esper, village clk., opened bids May 9, sewage treatment plant, Sect. 7, from Cooper-Widenmann Constr. Co., 1430 Penobscot Bldg., Detroit, $238,500, F. R. Patterson Constr. Co., 1922 Ford Bldg., Detroit, $240,652, Natl. Constr. Co., 1031 Dime Bank Bldg., Detroit, $247,-700; furnishing and installing pumping equipment, Sect. 8, from Midwest Eng. Co., 617 Fulton St., Chicago, $35,980 Water Works Equipment Co., 50 Church St., New York, $36,300, J. L. Skelton, 272 Water St., Toledo, O., $36,300; furnishing and installing Gantry cranes, Sect. 9, from Northern Eng. Wks., 210 Chene St., Detroit, $15,975, C. R. Lambert Co., 220 Dime Bank Bldg., Detroit, $11,760, Whiting Corp., Harvey, Ill., $23,000; water mains and equipment for plant, from J. A. McDace, 4036 Fairview Ave., Detroit, $6,970; Edward & Knowles, Detroit, $7,079, Colman & Harding, Kresge Bldg., Detroit, $7,083. Noted April 13.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, storm and sanitary sewers in Ave. S and sewer in East 28th St., to Tomasetti & Co., Inc., 1133 60th St., $60,-019 and $2,448 respectively; East 4th St. and sewer basins in East 8th St., to R. Nazarro, 1550 62nd St., $2,544 and $630 respectively; Cortelyou Rd and Hegeman Ave. ,etc., to Dady & Merrindino, 547 17th St., $490 and $330 respectively; manhole heads and covers for year ending Dec. 31, 1922, to Flockhardt Fdry. Co., $2,952. Noted May 11.

N. Y., Mamaroneck—For sewage disposal plant, Contr. 1, to F. Donaldson, 35 West 39th St., New York, $130,000; connecting lines under channel, Contr. 2, to F. S. Wardwell Co., South Ext., Stamford, Conn., $105,158; sewers, Contr. 3, to L. Detrossi, Hartford, Conn., $79,856. Noted April 20.

N. Y., Troy—Bd. Contract & Supply, sewerage system in Frear Park, to S. B. Easton, 380 Quail St., Albany, $32,904.

Ill., Decatur—Trustees Sanitary Dist., Standard Life Bldg., sewage filtration plant, to L. N. Cope & Son, 200 Blk. South Webster St., flood dyke, 39,000 cu.yd. at $0.245, flood dyke appurtenances $13,000, connecting conduits and grit chamber $24,-320, Venturi meter $3,674, erection of same $387, primary settling tanks $113,500, sludge drying beds $20,910, settling tank effluent conduit $3,040, main effluent conduit $19,600, dosing tanks and filter distribution 3A, $49,000, sprinkling filter and pipe gallery 3A, $203,300, secondary settling tank $47,400, office and laboratory $11,140, water supply and distribution $3,996, drainage $1,568, reinforcing steel 1,000,000 lb. at $0.0347 per lb., reinforcing mesh 50,000 lb. at $0.099 per lb., 50,000 ft. sheeting left in place at $35, 10,000 at $45, 10 cu.yd. rock excav. at $5, 20 cu.yd. additional Class A concrete $14, 40 cu.yd. Class B $12, 20 cu.yd. additional brick work $13, 200 cu.yd. additional earth excav. above elevation 585.5 ft. at 0.60, 100 cu.yd. below elevation 585.5 ft. at $2, total $567,630. Noted April 6.

Mich., Detroit—To Hammer & Co., Mankato, Minn., Lateral Sewer 3593, $5,942; G. Ponterelli, Wolverine Hotel, Lateral 3595, $37,598, Lateral 3615, $18,019, Lateral 3623, $3,580, Lateral 3631, $8,881; M. Mussi, Detroit, Lateral 3617, $1,200; R. D. Baker, 1631 Elmhurst Ave., Lateral 3621, $1,500, Lateral 3626, $6,000; R. L. Oakley, 870 Collingwood Ave., Lateral 3628, $16,975; M. Krausman & Co., 400 Penobscot Bldg., Lateral 3629, $1,456.

Wis., Kewaskum—Sewerage system, to F. E. Kaminski, Berlin; disposal plant, to Jorgenson Constr. Co., Denmark.

Waste Disposal

PROPOSED WORK

Fla., Miami—Plans constructing incinerator. $20,000. C. W. Murray, Miami, in charge.

CONTRACTS AWARDED

N. C., Asheville—Constructing incinerator and 50 x 50 ft. brick building, to Nye Odorless Crematory Co., Georgia Life Bldg., Macon, Ga., $39,500. Noted May 19.

Bridges

PROPOSED WORK

N. Y., Rochester—Plans new bridge approach and widening South Ave. at approach, concrete, etc. $60,000. C. A. Poole, City Bldg., city engr.

N. J., Perth Amboy—State Hy. Dept., Trenton, plans 6,000 ft. bridge, 53 ft. wide, over Raritan River, between here and South Amboy. C. W. Hudson, 15 Park Row, New York, engr. Noted May 4

N. J., Trenton—Bd. Freeholders Mercer Co. plans 200 ft. steel bridge over tracks of Pennsylvania R.R. and canal, on Olden Ave. $200,000. J. A. Waddell, 35 Nassau St., New York, engr.

Ia., Nevada—Chicago, Rock Island & Pacific R.R., La Salle St. Station, Chicago, plans concrete viaduct, 6 span, deck girder, over tracks and Indian Creek, 2 mi. east of here. $50,000. C. A. Morse, ch. engr.

Tex., Houston—Voted $250,000 bonds Cleveland Park Bridge and other bridges. J. C. McVey, city engr. Noted April 13.

BIDS DESIRED

N. Y., Coeymans—May 29, by Town Bd. at office of P. V. Whipple, town clk., Ravena, 2 span rein.-con. arch bridge over Coeymans Creek, on County Highway 508. F. J. Doyle, 95 State St., Albany, consult. engr.

N. Y., Frewsburg—May 29, by C. J. Oberg, Town Hall, for 3 bridges, 1 on Sta. 30 plus 51, 1 on Sta. 121 plus 66 and other on Sta. 220 plus 25 all 1:2:4 mix. concrete for Chautauqua Co. (Mayville) and town of Frewsburg. To exceed $25,000. W. J. Knauer, 255 Roberts Bldg., Jamestown, engr.

N. Y., Schenectady—June 21, by C. L. Cadle, supt. Pub. Wks., Albany, constructing arch rings and deck, and tops of certain piers of bridge over Mohawk River, between here and Scotia; adv. this issue.

Md., Baltimore—June 7, by Bd. of Awards, Phoenix Bridge and approaches over Gunpowder River. H. G. Perring, ch. engr.; adv. this issue.

W. Va., Weston—June 7, by Comrs. Lewis Co., twin span concrete arch bridge across West Fork River. $25,000. L. L. Jemison, Charleston, engr.

Fla., Clearwater—June 14, by Bd. Comrs. Pinellas Co., constructing 7 concrete deck girders, 16 flat slabs, 1 creosoted timber bridge with one 25 ft. clear span single lift. C. E. Burleson, co. engr.; adv. this issue. Noted May 4.

Wisconsin—June 1, by State Hy. Comn., at div. office 6, 213 South Barstow St., Eau Claire, 60 ft. span steel plate girder bridge at Sta. 150 plus 30; 50 ft. span rein.-con. deck girder bridge at Sta. 246 plus 0; 60 ft. span steel plate girder bridge at Sta. 99 plus 70; 80 ft. steel truss span Fisher Bridge, work to be done in connection with this bridge includes removal of present 80 x 16 ft. truss span whch carries concrete floor; also 2 new concrete abutments are to be built about 650 ft. up stream, upon which old span is to be re-erected. A. R. Hirst, Madison, highway engr.

Wis., Baraboo—June 6, by State Road and Bridge Com. Sauk Co., constructing Buelow Bridge, Troy Twp. incl. 8 ft. rein.-con. span, 24 ft. roadway; West Bridge, Freedom Twp., Village of North Freedom, 100 ft. riveted truss span; Dietzman Bridge, Ironton Twp., 12 ft. rein.-con.

Bridges (Continued)

span; Crowley Bridge Baraboo Twp., 8 ft. rein.-con. span, 24 ft. roadway. Following to be built on old abutments, Little Baraboo Bridge No. 1, La Valle Twp., 41 x 24 ft. rein.-con. deck girder; Little Baraboo Bridge No. 2, La Valle Twp., 41.6 x 24 ft. rein.-con. deck girder; Little Baraboo Bridge No. 3, La Valle Twp., 40.1 x 24 ft. rein.-con. deck girder. E. H. Groth, County highway comr.

Ia., Spencer—June 2, by Auditor Clay Co., 49 box culverts and 3-I Beams. V. McCown, co. engr.

Nebraska—June 12, by G. E. Johnson, secy. Dept. Pub. Wks., Lincoln, constructing one 16 x 20 ft., two 18 x 20 ft., one 20 x 20 ft. and four 20 x 28 ft. I beam span bridges on Shelby-Platte River Rd., Project 86 A, Polk and Butler Counties; two 18 x 22 ft. I beam spans, one 75 ft. truss, two 30 ft. and one 20 ft. I beam approaches, on Smiley Canyon, Project 102 A, Sioux Co.; one 20 x 125 ft. through truss span, two 20 x 30 ft. I beam approach spans, concrete piers and abutments, on Hebron-Fairbury Rd., Project 118 B, Jefferson Co.; two 20 x 40 ft. pony trusses, two 18 x 20 ft. approach spans, three 16 x 20 ft. and one 24 x 24 ft. concrete I beam bridges, on Central City-Eldorado Rd., Project 156 A, Hamilton Co.; two 16 x 20 ft. and two 20 x 20 ft. I beam spans, on Central City-Eldorado Rd., Project 156 B, Hamilton Co.; five 50 ft. concrete arches and repair present bridge, on O'Neill-Butte Rd., Project 14 B, Holt and Boyd Counties; two 45 ft. and one 50 ft. span concrete girder bridges, on Burwell-Deverre Rd., Project 34 A, Garfield Co.; two 40 ft. pony trusses and one 20 ft. I beam span, concrete abutments, on Elwood-Stockville Rd., Project 184, Gosper Co.

N. D., Wahpeton—June 6, by F. A. Burton, aud. Richland Co., 9 steel and 1 concrete bridges; and by P. E. Truax, aud. Wilkin Co., for (Breckenridge) for one steel bridge over Red River, north of Christine. $26,000.

Col., Denver—June 15, by Manager of Improvements and Parks, constructing Bway. Viaduct. A. K. Vickery, city engr.; adv. this issue.

Idaho, St. Maries—June 10, by Comrs. Scenic Better Roads Highway Dist., Court House, steel bridge over St. Maries River. C. F. Bessee, dist. engr.; adv. this issue.

Cal., Eureka—June 3, by Supervs. Humboldt Co., constructing 2 wooden or concrete bridges over Van Duzen River, Rd. Dist. 2. J. B. Leonard, engr., 57 Post St., San Francisco, prepared plans for concrete bridges, cost $40,000 each. A. J. Logan, co. surv., prepared plans for wooden bridges, $30,000 each. Noted May 11.

Cal., Miranda—June 13, by Supervs. Humboldt Co., Eureka, constructing cable suspension bridge over South Fork Eel River, near here, in Rd. Dist. 2. $25,000. A. J. Logan, Eureka, co. surv.

Ont., Cumberinad—See "Excav. and Dredg."

Ont., London—May 31, by J. M. Moore, engr., 489 Richmond St., rein.-con. and steel bridge, with one 130 ft. and two 80 ft. spans, University Ave., for Western University. $130,000. Noted April 20.

Ont., Toronto—May 30, removing existing bridge and constructing 3 span steel arch bridge, 800 ft. long, 66 ft. wide, over Don River on Gerrard St., $750,000. R. C. Harris, city engr. Noted April 27.

BIDS RECEIVED

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids May 19, repairing and constructing bridges and culverts in following counties: Ross Co., Sects. "V," "N" and "W" Columbus-Portsmouth Rd., from Chillicothe Constr. Co., $5,143; Reichelder Constr. Co., Circleville, $5,632; Anderson & Brown, Chillicothe, $5,904. Ross Co., Sect. "X" Columbus-Portsmouth Rd., from Chillicothe Constr. Co., Chillicothe, $12,934; Anderson & Brown, Chillicothe, $12,766; Reichelder Constr. Co., Circleville, $14,730. Ross Co., Sect. "Y" Columbus-Portsmouth Rd., from Chillicothe Constr. Co., Chillicothe, $4,227; Anderson & Brown, Chillicothe, $4,427; Reichelder Constr. Co., Circleville, $4,706. Ross Co. Sect. "Z" Columbus-Portsmouth Rd., Chillicothe Constr. Co., Chillicothe, $10,361; Anderson & Brown, Chillicothe, $11,216; Reichelder Constr. Co., Circleville, $11,786. Ross Co., seven sections of Cincinnati-Chillicothe Rd., known as seven proposals numbered from 1 to 7 and to be awarded to the same contractor, from Frell & McCulla, Bournville, Proposal 1, $1,675; Proposal 2, $296; Proposal 3, $588; Proposal 4, $3,999; Proposal 5, $6,806; Proposal 6, $5,943; Proposal 7, $2,479. Washington Co., Sect. "M" Marietta-Caldwell Rd., constructing bridge, from E. L. Paul, Zanesville, $19,073; H. N. Snyder, Columbus, $19,350; McElfresh & Danford, Caldwell, $19,677. Washington Co., Sect. "K-2" Marietta-Caldwell Rd., constructing bridge, E. L. Paul, Zanesville, $23,091; H. N. Snyder, Columbus, $24,350; E. N. Turner, Logan, $24,473. Noted May 11 under "Streets and Roads."

CONTRACTS AWARDED

N. Y., Bear Mountain (Iona Island P. O.)—Bear Mountain & Hudson River Bridge Co., Grand Central Terminal Bldg., New York, building 1,700 ft. bridge, 50 ft. wide, over Hudson River, from here to Anthonys Nose, to Terry & Tench Co., Inc., Grand Central Terminal Bldg., New York, $5,000,000.

Pa., Beaver Falls—Pennsylvania R. R., Pittsburgh, rein.-con. bridge, 700 ft. long, 32 ft. wide, near here, to Dresser-Minton Co., The Arcade, Cleveland, O., $75,000.

O., Symmes (Loveland P. O.)—Hamilton Co. (Cincinnati) and Clermont Co. (Batavia), pratt truss and concrete substructure for 303 ft. steel bridge, here, to Nolte Constr. Co., Gerke Bldg., Cincinnati, $12,318; superstructure, to Middle States Constr. Co., 524 East Hudson St., Columbus, $37,327. Noted April 6 under "Cincinnati."

Minn., Minneapolis—Northern Pacific R. R., Railroad Bldg., St. Paul, sub-structure of 1,200 ft. steel bridge over Mississippi River, here, to consist of 6 piers and 2 abutments, to Grant Smith & Co., 1505 Pioneer Bldg., St. Paul. $125,000. Noted Jan. 5.

Minn., St. Paul—Northern Pacific R.R., Railway Bldg., constructing 125 ft. concrete bridge, 80 ft. wide, over tracks on Maryland St., here, to Campbell Constr. Co., 3050 Hennepin Ave., Minneapolis, $15,000. Railroad to furnish material. Cost, incl. labor and material, $50,000.

Minn., St. Paul—Concrete bridge, 80 ft. span, 60 ft. wide, Cedar St. and University Ave., to E. J. Dunnigan, 315 Guardian Life Bldg., $32,709. Noted May 4.

Kan., Newton—Harvey Co. will build Dullman Bridge, 60 ft., and Dunkleberger Bridge, 120 ft., both 20 ft. wide, concrete, by day labor. A. Hay, Newton, engr.

Mo., Boonville—C. G. Miller, city clk., 570 ft. approach to steel highway bridge over Missouri River, to W. J. Cochran & Son, Boonville, $44,971. Noted April 27.

California—State Hy. Dept., Sacramento, constructing bridge across Cuyama River, 14 mi. east of Santa Maria, San Luis Obispo and Santa Barbara Counties, to Parlier & Lowry, Tulare, one steel, 200 ft. 3 in. center to center of end pins, erected in place and painted complete except rein.-con. floor, $26,700, 630 cu.yd. Class A concrete in place in pier, abutments, wing walls, etc., $19.50 per cu.yd., 245 cu.yd. Class C concrete in place, in pier, $30, etc., total $50,819.

Dams

BIDS DESIRED

N. C., Greensboro—June 8, dam across Reedy Fork Creek, also furnishing and installing auxiliary power plant. P. C. Painter, city mgr.; adv. this issue.

Excavation and Dredging

BIDS DESIRED

Wis., Lodi—June 3, by Lodi D. D., c/o S. A. Watson, 12,000 lin.ft. open ditch, 35,600 cu.yd. excavating and 2,200 lin.ft. of 10-15 in. tile. Private plans.

Minn., Fairmont—June 6, by H. C. Nolte, aud. Martin Co., Judicial Ditch 98, 162,775 lin.ft. 6-36 in. drain tile, 800 lin.ft. 8-10 in. sewer pipe; 22,200 lin.ft. open ditch, 237,167 cu.yd. excav., 14 concrete bulkheads, 50 storm water inlets, 9 junction manholes, 3 rein.-con. bridges, one having 7-ft. drop. $150,644.

Minn., New Ulm—June 15, by L. G. Vogel, aud. Brown Co., building Co. Ditch 49, 101,215 lin.ft. 6-42 in. tile, 700 lin.ft. 24-42 in. sewer pipe, 1 rein.-con. bulkhead, etc. $95,000. F. D. Minium, New Ulm, engr. Noted June 9, 1921.

Minn., Marshall—June 5, by R. D. Houderscheldt, aud. Lyon Co., Co. Ditch 48, (1) Sect. 1, main open ditch, 96,000 cu.yd. excav., 60 cu.yd. concrete, $11,640; (2) main tile ditch, 19,425 lin.ft. 6-20 in. tile, 16 inlets, 1 bulkhead, $6,860; (3) Branch 5, 25,005 lin.ft. 6-24 in. tile, 18 inlets, c.i. grates, 4 bulkheads, 21 cu.yd. concrete, $12,750.

Ont., Cumberland—June 5, by W. H. Magwood, engr., Cornwall, excav. work, concrete bridges and culverts in connection with Shaws Creek Drain, incl. 32,020 cu.yd. excav., 270 cu.yd. rein.-con., 1,215 cu.yd. grading, etc. $30,000.

Ont., Welland—June 9, by J. W. Pugsley, secy. Dept. Rys. and Canals, Ottawa, excav. work and constructing Sects. 3 and 4 of Welland Ship Canal. $7,000,000. W. A. Bowden, Dept. Rys. & Canals, Ottawa, engr.

BIDS RECEIVED

Wis., Manitowoc—Dredging 90,000 cu.yd. in Manitowoc River, (bids stated for quantity measured in scows) from McMullen & Pitz, 915 Commercial St., $0.315; Greiling Bros. Co., East Walnut St., Green Bay, $0.317; Great Lakes Dredge Co., 216 West Water St., Milwaukee, $0.35. Noted May 11.

CONTRACTS AWARDED

Fla., West Palm Beach—Model Land Co., constructing 20 mi. canal on Cape Sable and road on side of canal, 400,000 cu.yd. excav., 400,000 yd. floating dredgework, 40,000 yd. submarine rock excav., to N. A. Cambell, Box 704, $175,000.

Ia., Charles City—Floyd Co. D. D. 25, Sect. A, main and laterals, 32,806 lin.ft. 6-32 in. tile, Sect. B, sub-main and laterals, 41,804 ft. 6-28 in. tile, to Cement Products Co., Mason City, tile, $19,915, B. Veland, Lake Mills, labor, $8,875; D. D. 16, 15,938 ft. 6-20 in. tile, to Plymouth Clay Products Co., Fort Dodge, tile $3,971, Wishard, Smalley, Charles City, labor $1,691. Noted March 23.

Streets and Roads

PROPOSED WORK

Mass., Westfield—Plans paving 4,200 ft. Franklin St., 7 in. concrete, reinforced with ½ in. steel rods. $36,000. Dept. Pub. Wks., engrs.

New York—H. S. Sisson, comr. Dept. Highways, Albany, received no bids May 19, repairing 2.45 mi. Highway 5, Repair Contr. 1339, Monroe Co. Noted May 18.

N. Y., Batavia—Plans paving 6 streets 1.5 mi. long, bituminous macadam, brick, rein.-con. or asphalt. $25,000. R. F. Clark, city engr.

N. Y., Niagara Falls—Plans paving Fairfield Ave. and 29th St., granite, wood block, asphalt or brick. $51,300.

N. Y., Rochester—Plans paving Arnold Park, $26,400, Kay Terrace, $15,000, Berkshire St., $8,650, Barbers Lane, $12,600, Kline St., $16,400, Willowbank Pl., $6,450, Raymond St., $15,000, all foregoing asphalt; Navarre Rd., $25,000, Laurelton Rd., $2,420, Arbutus St., $11,000, Collingswood Dr., $40,000, warrenite bitulithic; 8th St., $12,300, brick; laying sewers, sidewalks and grading Greenview Dr., $26,700. C. A. Poole, City Bldg., engr.

N. Y., Rochester—See "Bridges."

Pa., McKeesport—Plans to pave West 5th and other streets. $98,000. L. F. Savage, city engr.

W. Va., Welch—Big Creek Dist., McDowell Co., voted $450,000 bonds to hard surface road from here to Virginia State line. W. J. McClaren, Welch, engr. Noted May 4.

N. C., Asheville—Lakeview Park Co. plans to construct various streets, sewerage and waterworks systems. $500,000. J. D. Murphy, pres.

N. C., Bakersville — Mitchell Co. plans grading and constructing rein.-con. bridges and culverts on 8 mi. Jacks Creek Rd. between Loafers Glory and Green Mountain. $80,000 Work under supervision of State Hy. Dept., Raleigh. C. M. Upham, state highway engr.

N. C., Davidson—Bd. Alderman rejected bids opened April 28, paving various streets. Noted April 20.

N. C., Greensboro—Takes bids within 25 days, 71,800 sq.yd. paving. $177,500. P. C. Painter, city mgr.

N. C., Kinston—Plans paving, curbing and laying sewers in portions, Washington, Lenoir and Vernon Aves. $40,000. M. M. Harper, mayor.

Florida — State Rd. Dept., Tallahassee, having plans prepared and takes bids in July, clearing, grading and surfacing with concrete or bituminous material, 15 mi. State Rd. 4 from Vero north to Sebastian River, Brevard Co. line, St. Lucie Co. W. F. Cocke, state highway engr.

Fla., West Palm Beach—Comrs. Palm Beach Co., did not open bids May 6, constructing 9½ mi. roadbed from Belle Glade,

Streets and Roads (Continued)

on the Hillsboro Canal, north; also constructing marl surfaced road from point 3 mi. north of Canal Point to Pahokee. R. F. Goodman, West Palm Beach, engr.

Kentucky—State Hy. Dept., Frankfort, rejected bids constructing 5.54 mi. Laurel Co. Highway. $125,000. Will readvertise. J. S. Boggs, state highway engr.

Ohio—Dept. Highways and Dept. Pub. Wks., Columbus, rejected bids opened May 9, grading, bridging and paving 2.952 mi. Sect. "A" and 3.747 mi. Sect. "B" Marion-Bucyrus Rd., Marion Co., also 2.273 mi. Sect. "A-1" Sidney-Bellefontaine Rd., Shelby Co. Noted May 18.

O., Columbus—Making plans grading, curbing, laying water mains and repaving 2,250 ft. 11th Ave. from High to 4th Sts., asphalt. $23,335. R. H. Simpson, City Hall, engr.

Mich., Alma—Plans paving streets in Assessment Dists. 6, 7 and 11, incl. 6,690 cu.yd. excav., 10,850 sq.yd. concrete, 7,307 lin.ft. curb, 900 lin.ft. 8 in. pipe, etc. $50,000. W. E. Reynolds, city mgr.

Mich., Detroit—Having plans prepared paving Fairview Ave., $17,640, Sturtevant Ave., $35,600, Frontenac Ave., $6,210, Jameson Ave., $8,840, Richton Ave., $35,400, Strong Ave., $6,650, and Fullerton Ave., $16,200 with 3½ in. sheet asphalt on 8 in. concrete, also 4 alleys with one course concrete, totaling $11,600. J. W. Reid, city engr.

Mich., River Rouge—Having plans prepared paving sections of Great Lakes Aves., Anchor, Cora, Division and Leroy Sts., incl. 21,000 sq.yd. rein.-con. $80,000. M. L. Brown & Son, 403 Capitol Bldg., Detroit, engrs.

Ill., Gibson—Making plans paving 18 blocks, Lott St., rein.-con., 32 ft. $104,000. R. F. Fischer, Urbana, engr.

Ill., Sidney—Making plans paving Main St., rein.-con. $30,000. A. M. Donely, Urbana, engr.

Ia., Columbus Junction—Making plans paving 12,000 sq.yd. various streets. $30,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Minn., Hastings—Dakota Co. rejected bids State Rd. 4. J. Swan, Hastings, engr. Noted March 23.

Montana—State Hy. Dept., Helena, soon takes bids grading and gravel surfacing 10 mi. Federal Aid Project 78, Flint Creek Rd., between Phillipsburg and Maxville, and 3.1 mi. Federal Aid Project 175, Phillipsburg-Anaconda Rd., 22 ft., both Granite Co., $80,500 and $27,000 respectively; grading and gravel surfacing 1.3 mi. and building Grantdale Bridge, 198 ft., steel, on Federal Aid Project 174, Ravalli Co., $37,000. J. N. Edy, ch. engr.

Tex., Houston—Voted $750,000 bonds paving and improving streets. J. C. McVey, city engr.

Tex., Laredo—Webb Co. voted $150,000 bonds highway between Laredo and Mirando City oil fields, 16 ft., bituminous macadam surface. T. R. Spence, co. engr.

Tex., Memphis—Voted $65,000 bonds street paving and improvements. Montgomery-Ward Eng. Co., Ft. Worth, consult. engrs. Noted May 4.

Cal., Marysville—Soon takes bids 140,000 sq.ft. paving. W. Meek, Marysville, engr.

Cal., San Diego—Had plans prepared paving Exchange Place, Mar and Soledad Aves., in La Jalla Beach, 11,109 sq.yd. 5 in. concrete; having plans prepared paving Rosecrans St. to Point Loma Military Reservation, 318,000 sq.yd. 5 in. concrete, Montecito Way, Stephens, Palmetto, Randolph, Jackday and Plumsa Way, 13,506 sq.yd. 1½ in. bituminous concrete on 2½ in. asphaltic concrete, Ft. Stockton Dr., 10,997 sq.yd. 1½ in. asphaltic concrete on 4 in. concrete. F. A. Rhodes, City Hall, engr.

Cal., San Francisco—City and San Francisco Co. had plans prepared improving Taraval St., between 37th and 48th Aves., 6,228 lin. ft. concrete curbs, 655 lin.ft. 8 in. and 315 ft. 12 in. sewer pipes, 6,604 sq.ft. artificial stone walks, 180,930 sq.ft. asphaltic concrete pavement, etc., $72,000; Buchanan St. between Herman and Duboce Sts., 22,091 cu.yd. excav., 623 lin.ft. concrete curbs, 370 lin.ft. 8 in. vitr. sewers, 4,364 sq.ft. vertical fiber brick pavement and 7,715 sq.ft. asphaltic concrete pavement, $34,200. M. M. O'Shaughnessy, city engr.

Que., Montreal—Plans paving Wellington St. from McGill St. to limits of Verdun, $250,000; 3,937 ft. Wellington St. from McGill St. to Bridge, granite blocks; 5,437 ft. Wellington St. from Bridge to limits of Verdun, asphalt. E. Blanchard, supt. roads.

Ont., Bridgeburg—Welland Co. plans improving highways. Cost between $110,000 and $120,000. Address A. G. Wilson, Ridgeway.

BORINGS—BOROUGHS OF BROOKLYN AND RICHMOND, N. Y.

Bids were opened by Board of Estimate and Apportionment, Municipal Bldg., New York, Apr. 21, for borings along the line of the proposed tunnel across the Narrows, Boroughs of Brooklyn and Richmond, from (A) Pennsylvania Drilling Co., 1812 West Carson St., Pittsburgh, (awarded contract); (B) Philip J. Healey, 25 Church St., New York City; (C) Allen N. Spooner & Son, Inc., Pier 11, North River, New York City; (D) Cornelius S. Edwards, 1 Montgomery St., Jersey City, $39,570; (E) Giles Drilling Co., Inc., 30 Church St., New York City, $40,708; (F) Sprague & Henwood, Inc., Scranton, Pa., $46,160. The unit bids of the lowest three bidders were as follows:

Land Borings	A	B	C
1,000 lin. ft. sinking casing for 1-in. cores, Brooklyn	$2.25	$3.45	$3.30
1,500 lin. ft. sinking casing for 1-in. cores, Richmond	2.25	3.75	4.30
100 lin.ft. sinking casing for 6-in. cores, Brooklyn	4.00	4.95	4.70
100 lin. ft. sinking casing for 6-in. cores, Richmond	4.00	4.95	4.70
650 lin. ft. drilling for 1-in. cores, with diamond drills	3.00	3.45	4.70
50 lin. ft. drilling for 6-in. cores, diamond or shot drills	10.00	4.45	10.00
New York Bay Borings			
170 taking dry samples	4.00	1.95	2.00
3,000 lin.ft. sinking casing for $1\frac{3}{8}$-in. cores	5.75	6.45	7.00
100 lin. ft. sinking casing for 6-in. cores	8.50	6.45	10.00
200 lin. ft. drilling for $1\frac{3}{8}$-in. cores, with diamond drills	10.00	6.45	4.70
20 lin. ft. drilling for 6-in. cores, diamond or shot drills	25.00	6.45	10.00
200 taking dry samples	4.00	2.95	5.00
Extended totals	$30,955	$34,866	$38,725

Ont., Burlington—Takes bids about June 1, concrete pavement on Brant St. $56,000. Prices wanted on all materials. W. Sykes, Municipal Bldg., engr. Noted May 4.

Ont., Hensall—Having plans prepared and takes bids about June 15, paving Main St., concrete. $35,000. Prices wanted on all materials. R. Paterson, County Bldg., Goderich, engr.

Ont., Palmerston—Takes bids about June 3, concrete pavements on Main and Williams Sts. $51,500. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs. Noted April 27.

BIDS DESIRED

New York—June 13, by H. S. Sisson, comr. State Hy. Dept., Albany, improving highways in Allegany, Jefferson, Monroe, Oneida, Onondaga, Orange, Oswego, St. Lawrence, Seneca, Steuben, Washington and Wayne Counties; repairing highways in Cattaraugus, Chenango and Monroe Counties. J. C. Finch, secy.; adv. this issue.

N. Y., Auburn—May 31, by J. P. Jaeckel, city mgr., improving Hamilton Ave. M. F. Dullea, city engr.; adv. this issue.

N. Y., Brooklyn—May 31, by E. Riegelmann, boro pres., Boro Hall, paving Ave. R, New York Ave., Dupont, East 14th, 48th, 59th, 61st, 81st and 70th Sts., Kenmore Pl. from Ave. L to Ave. M; curbing Kenmore Pl. from Ave. I to Ave. R, Kenmore Pl. from Ave. L to Ave. M; resurfacing Sheepshead Bay, Ocean and Voorhies Aves., Neptune Ave. from Ocean Parkway to Emmons Ave., etc.

N. Y., Long Island City—May 29, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing and laying sidewalks on 7th Ave. from Washington to Graham Aves., 1st Ward; grading, curbing, recurbing, flagging, reflagging and paving, etc., 46th St. from Jackson to Roosevelt Aves., also Louona Ave. from Roosevelt to Kingsland Aves.; paving 7th Ave. from Washington to Graham Aves., 1st Ward; grading and paving 38th (Warburton) Ave. from 211th (Chambers) St. to Bell Ave., 3rd Ward; repaving Jackson Ave. (Bway.) from Bowne Ave. to Murray Lane, 3rd Ward; Seaview and Atlantic Aves. from Cornaga Ave. to tracks of Long Island R.R., 5th Ward; Rockaway Plank Rd. from Brinkmeyer Ave. to Conduit, all sheet asphalt on concrete.

N. Y., Westfield—June 2, by village at trustees room in Firemen's Hall, paving portions North Portage and English Sts. J. A. Riley, clk.; adv. this issue.

N. J., Avon—June 21, by Bd. Freeholders Monmouth Co., (Freehold) constructing State Highway Route 4, Sect. 11, Main St., here, warrenite bitulithic on Portland cement concrete. G. K. Allen, Red Bank, co. engr.; adv. this issue. Noted Sept. 29.

N. J., Hillsdale — June 6, by Hillsdale Twp., at Firemens Hall, Park Ave. and Valley St., grading, curbing and laying sidewalks, etc., on Valley and Cross Sts., Park, Hillsdale, Railroad, Summitt and Central Aves. H. G. Hering, Jr., Westwood Theatre Bldg., Westwood, engr.; adv. this issue.

N. J., Trenton — June 2, by Bd. City Comrs., improving 48,000 sq.yd. various streets, asphalt, granite block, vitr. brick and concrete. L. D. Hirsch, clk.; adv. this issue.

N. J., Trenton—June 6, by Bd. Freeholders Mercer Co., constructing Sanhican Dr. from northwesterly boundary line of Trenton to Yardley Highways Bridge across Delaware River, concrete. H. F. Harris, co. engr.; adv. this issue.

Pa., Ebensburg — June 9, by Supervs. West Carroll Twp., c/o H. Jones, Controller Cambria Co., reconstructing 8,135 lin.ft. Bakerton Rd., brick or concrete.

Pa., Phila.—May 29, grading, Schedule A; asphalt paving (assessment work) Schedule B, asphalt repaving Schedule C; redressed granite block repaving Schedule D; grading Beaumont Ave. from 65th St. to Cobbs Creek Blvd. and constructing retaining wall Schedule E; reconstructing bridge deck Schedule F; furnishing and delivering wood paving block and structural steel for bridge work Schedule G.

Maryland—May 31, by State Hy. Dept., Baltimore, building sections of state highway in Queen Annes Co., Contr. Q-23; Caroline Co., Contr. CO-31; Dorchester Co., Contr. D-27; Baltimore City, Contr. BC-38. J. N. Mackall, chn.; adv. this issue.

Maryland—June 6, by State Roads Comn., Baltimore, paving sections highways in Harford Co., Contr. H-30; Caroline Co., Contr. CO-29; Wicomico Co., Contr. WI-20; all concrete. J. N. Mackall, chn.; adv. this issue.

Md., Easton—June 12, by Council, 3,000 lin.ft. concrete curb and gutters. J. B. Clark, clk.; adv. this issue.

D. C., Wash.—May 31, by Dist. Comrs., Dist. Bldg., asphaltic surfacing Naylor Rd., S. E.; adv. this issue.

Virginia—May 31, by State Hy. Comn., Richmond, improving 10.79 mi. Project 153 B, between Red Oak and Blue Stone Creek, Mecklenburg Co., incl., 63,000 cu.yd. excav., 336 cu.yd. concrete, etc.; 0.75 mi. Project 102, Route 2, on Fishers Hill, Shenandoah Co., 20,000 cu.yd. excav., 6,900 sq.yd. bituminous macadam, 367 cu.yd. concrete, rein.-con. bridge over Tumbling River, etc.; 3.06 mi. Project A-72 D, between Ayletts and St. Pauls, King and Queens Co., 16,000 cu.yd. excav., etc.; 30 ft. rein.-con. bridge over Chappawomsic Creek, Prince William Co.

Va., Charlottsville—June 1, by Supervs. Albemarle Co., grading, etc., 13.75 mi. Howardsville Rd. G. P. Coleman, Richmond, highway comr.

W. Va., Buckhannon—June 8, by Comrs. Upshur Co., grading and concrete paving 0.65 mi. Island Ave. and Beverly Pike, 1,800 cu.yd. excav., etc. $25,000. E. Phillips, Buckhannon, engr.

W. Va., Fairmont—June 24, paving 4,000 ft. Chicago St., hillside brick on slag and sand. $25,000. L. C. Arnett, city clk.

W. Va., Romey—June 1, by Comrs. Hampshire Co., grading and gravel surfacing 3.8 mi. Northwestern Turnpike. $75,000. W. S. Downs, Morgantown, engr.

N. C., Reidsville—June 13, by E. Wrenn, city mgr., 50,000 sq.yd. concrete or asphaltic paving, 40,000 ft., granite curbing, 16,000 sq.yd. two course sidewalk paving. $160,000. W. B. Kiker, Reidsville, engr.

Ga., Clarkesville—June 20, by J. A. Robertson, Ordinary, Habersham Co. surfacing 4.6 mi. Cornelia-Clarkesville Rd., 49,083 sq.yd. 3 in. bituminous macadam, alternate bids on 2 in. modified Topeka type. H. W. Morgan, Jackson Bldg., Gainesville, engr.

Fla., Clearwater—June 14, by Bd. Comrs. Pinellas Co., constructing and reconstructing various roads. C. E. Burleson, co. engr; adv. this issue.

Fla., Gainesville—June 6, by Bd. Bond Trustees Alachua Co., surfacing 12.1 mi. Gainesville-Waldo Rd., 114,000 sq.yd. limestone rock, 8 in. compact. Former bids rejected. W. G. Daniels, Gainesville, engr. Noted May 4.

Streets and Roads (Continued)

Fla., Gainesville—June 6, by Bd. Bond Trustees, grading 7.3 mi. Gainesville-Newberry Rd., 25,000 cu.yd. excav.; 9.5 mi. Gainesville-Micanopy Rd., 35,000 cu.yd. excav.; constructing 1 mi. embankment across Orange Lake, 40,000 cu.yd. excav. W. G. Daniels, Gainesville, engr.

Fla., Jasper—June 5, by Comrs. Hamilton Co., clearing, grading and paving with 6 in. sand clay, 5 mi. Rd. 2 from Genoa to Peoples Corner. $27,000. W. A. Lewis, clk. Bd. Comrs.

Fla., Titusville—June 7, by Comrs. Brevard Co., constructing 7.9 mi. Indian River-Orlando Highway, Special Rd. and Bridge Dist. 7, involving 41,000 sq.yd. bituminous penetration macadam wearing surface, oiled. $50,000. H. B. Smith, Titusville, engr.

Miss., Bay Springs—June 6, by Bd. Supervs. Jasper Co., gravel surfacing 14.3 mi. Meridian-Hattiesburg Rd., Project 123.

O., Cadiz—June 8, by W. H. Lucas, village clk., grading, curbing and paving various streets, 4,600 sq.yd. brick and 3,300 sq.yd. bituminous macadam.

Michigan—May 26, by State Hy. Dept., Lansing, paving 7.96 mi. State Trunk Line Rd. 65-4, Livingston Co., incl. 48,160 cu.yd. excav., 74,720 sq.yd. gravel. L. H. Belknap, ch. engr.

Michigan—May 31, by State Hy. Dept., Lansing, grading and surfacing 7.383 mi. Federal Aid Project 72, Cheboygan Co., 53,283 cu.yd. excav., 69,105 sq.yd. gravel. L. H. Belknap, ch. engr.

Michigan—June 2, by State Hy. Dept., Lansing, grading and surfacing 1.263 mi. State Trunk Line Rd. 13-21, Kent Co., incl. 5,775 cu.yd. excav., 14,822 sq.yd. concrete, asphalt or bituminous concrete. L. H. Belknap, ch. engr.

Michigan—June 6, by State Hy. Dept., Lansing, paving 4.516 mi. State Trunk Line Rd. 46-7, Sect. A, Gratiot Co. 12,900 cu.yd. excav., 42,272 sq.yd. gravel and 47,000 lin.ft. 6, 8 and 12 in. vitr. tile pipe. L. H. Belknap, ch. engr.

Michigan—June 8, by State Hy. Dept., Lansing, paving 6.091 mi. State Trunk Line Rd. 20-4, Lake Co., 35,600 cu.yd. excav., 57,173 sq.yd. gravel. L. H. Belknap, ch. engr.

Mich., Grosse Pointe Park (Detroit P. O.)—June 6, by Village Clerk, grading, curbing, guttering and paving Weyburn Ave. from Kercheval to Mack Aves., concrete or asphalt, also 400 ft. 4 in. water mains, etc. $35,000. C. H. Marden, 502 Whitney Office Bldg., Detroit, engr.

Ill., Benld—June 5, for 35,000 sq.yd. rein.-con. and 11,000 sq.yd. brick pavement $77,000 Holbrook, Warren & Andrews, Decatur, engrs.

Ill., Chicago—May 29, by Bd. Local Impvts., 207 City Hall, grading and paving with standard asphalt wearing surface and binder course on 6 in. portland cement concrete, swept with natural hydraulic cement, adjusting sewers, etc., in following streets, North Francisco Ave. from Foster Ave. to Argyle St., North Mozart St. from Ainslee St. to Carmen Ave., North California Ave. from Lawrence to Foster Aves., North Fairfield Ave. from Blaine Pl. to Lawrence Ave., North Talman Ave. from Blaine Pl. to Lawrence Ave., Winona St. from North California Ave. to point parallel with and 1,145 ft. east of east line of same, Argyle St. from North Francisco Ave. to North Washtenaw Ave., Ainslee St. from North Francisco to North California Aves., and Blaine Pl. from North California Ave. to North Rockwell St. Alternate bids on refined native, solid asphalt and refined oil asphalt. $247,000. C. D. Hill, ch. engr.

Ill., Galesburg—June 15, paving 1 mi. Main St., from Chicago, Burlington & Quincy R.R. tracks to city limits, brick on concrete. $95,000. F. M. Connelly, Galesburg, engr.

Ill., Sycamore—June 1, by Bd. Local Impvts., grading, curbing and paving various streets, 5,400 sq.yd. bituminous macadam, 4,130 ft. concrete curb. W. M. Hay, Sycamore, engr.

Wisconsin—June 1, by State Hy. Comn., at div. office 6, 213 South Barstow St., Eau Claire, grading and surfacing 6.06 mi. Humbird-Fairchild Rd., Federal Aid Project 302, Clark Co., incl. 29,181 cu.yd. earth and 1,022 cu.yd. hard pan excav., 8,821 cu.yd. shale surfacing, 3,611 cu.yd. gravel surfacing base course, 3,554 cu.yd. gravel top course, 942 cu.yd. gravel surfacing to come from cut Sta. 128 to 132 and will not be paid for as excav.; 5.12 mi. Hudson-Baldwin Rd., Federal Aid Project 309, St. Croix Co., 22,437 cu.yd. earth excav., 1,461 cu.yd. borrow, 11,175 cu.yd. gravel surfacing, etc.; 8.26 mi. Medford-Merrill Rd., Federal Aid Project 310, Taylor Co., 3.76 acres clearing, 29,133 cu.yd. earth excav., 2,450 cu.yd. borrow, 11,953 cu.yd. gravel surfacing; 4.2 mi. Ellsworth-Spring Valley Rd., Federal Aid Project 308, Pierce Co., 24,394 cu.yd. earth and 1,842 cu.yd. hard pan excav., 330 cu.yd. borrow, 7,465 cu.yd. gravel surfacing; 0.85 mi. Durand-Plum City Rd., Federal Aid Project 306, Pepin Co., 1.09 acres clearing, 3,071 cu.yd. earth, 5,278 cu.yd. loose and 1,665 cu.yd. solid rock excav., 2,700 lin.ft. intercepting ditch, 810 cu.yd. gravel surfacing; 4.83 mi. Menomonie-Hudson Rd., Federal Aid Project 152, Dunn Co., 6.33 acres clearing, 32,804 cu.yd. earth excav., 6,410 cu.yd. gravel surfacing; 2.71 mi. Prescott-Ellsworth Rd., Federal Aid Project 267, 21,285 cu.yd. earth, 5,727 cu.yd. solid and 302 cu.yd. loose rock excav., etc.; 5.18 mi. Ladysmith-Cornell Rd., Federal Aid Project 109-B, 20.2 acres clearing, 27,823 cu.yd. earth, 136 cu.yd. loose rock excav., 1,734 cu.yd. borrow, etc. A. R. Hirst, Madison, highway engr.

Ia., Carroll—May 29, by Auditor Carroll Co., grading Sect. C, Federal Aid Project 154, from Templeton to Audubon Co. line, 57,459 cu.yd. excav., etc., also grading primary road through Dedham, 5,824 cu.yd. earthwork.

Ia., Spencer—June 2, by Auditor Clay Co., gravel surfacing 11 mi. on Dickens-Terrill Rd. and 5 mi. Peterson Twp. Rd. V. McCown, co. engr.

Ia., Waterloo—June 6 by Auditor Black Hawk Co., grading and paving 17.17 mi. Hawkeye Highway, Federal Aid Project 62, from here east to Buchanan Co. line and from Cedar Falls west to Grundy Co. line, 49,146 cu.yd. excav., 181,475.8 sq.yd. pavement.

Minn., Brainerd—June 1, by S. Swanson, city clk., concrete paving 27,000 sq.yd. and grading 5,400 cu.yd. various streets. $50,000. R. T. Campbell, city engr.

Minn., Lesueur Center—June 9, by Le Sueur Co., 4 mi. Job 2204, State Rd. 9, 153,041 cu.yd. excav.; Job 2201, State Rd. 23, 23,596 cu.yd. excav., etc.; Job 2202, State Rd. 28, 35,918 cu.yd. excav., etc.; Job 2203, State Rd. 17, 10,198 cu.yd. excav. $42,000. Noted Feb. 3.

Minn., Mankato—May 31, by F. W. Bates, city clk., 21,425 sq.yd. general street paving, asphalt, concrete, vitr. brick, bituminous macadam, one course concrete or vibrolithic concrete, 2,645 sq.yd. vitr. bricks for laying between street car tracks, 20,000 sq.yd. paving in alleys, 13,000 cu.yd. excav., 4,000 cu.yd. overhaul, 736 lin.ft. concrete curb and gutter. P. Comstock, city engr. $95,000.

Minn., Minneapolis—June 5, by A. P. Erickson, aud. Hennepin Co., grading Rd. 6, 14,094 cu.yd. earth, 560 cu.yd. loose rock and 140 cu.yd. solid rock excav., 8,527 cu.yd. overhaul, 1,900 lin.ft. 6 in. tile, corrugated metal culverts, $11,774; Rd. 44, 14,691 cu.yd. earth excav., 15,773 cu.yd. overhaul, $6,040; grading approach from Lyndale Ave. to Dakota Co. line, 22,098 cu.yd. excav., $7,200. E. E. Terrell, co. surv.

Minn., Winnebago—June 1, by J. H. Vosburgh, clk., 7,201 cu.yd. excav., 34,960 sq.yd. paving, 16,333 lin.ft. concrete curbing. Alternate bids on asphaltic concrete, rein.-con. and creosoted wood block. $80,000. L. P. Wolff, 1001 Guardian Life Bldg., St. Paul, engr. Noted April 27.

Minn., Worthington—June 14, by Nobles Co., gravel surfacing 14 mi. Job 2204, State Rd. 4. $25,000. N. S. Thayer, Worthington, engr.

Kan., Kansas City—May 29, by Wyandotte Co., grading and paving 4.643 mi. Federal Aid Project 102, incl. 5,950 yd. earth and 3,370 yd. rock excav., 1,031.8 yd. concrete, 63,379 lb. reinforcing, 2,068 ft. 15-48 in. rein-con. pipe, 49,120 yd. course concrete paving. O. K. Williamson, Kansas City, engr.

Nebraska—June 12, by State Hy. Dept., Lincoln, improving 5.11 mi. road from Sargent to Taylor, Project 42 B, Loup Co., 79,000 cu.yd. grading, 68,300 sq.yd. clay surfacing, 16,200 cu.yd. sta. overhaul, etc.; 4.283 mi. from Oakland to South Sioux City, Project 49 D, Burt Co., 51,470 cu.yd. grading, 46,390 cu.yd. sta. overhaul, 34.6 cu.yd. headwall and 72.28 cu.yd. box concrete, etc.; 1.91 mi. from Oakland to South Sioux City, Project 49 E, Dakota Co., 10,250 cu.yd. grading, 2,207 cu.yd. clay and 22,409 cu.yd. gravel surfacing, etc.; 11.96 mi. Stanton-Wisner Wayne Rd., Project 70 A, Stanton Co., 97,734 cu.yd. grading, 8,323 cu.yd. sta. overhaul, 57,193 cu.yd. headwall and 262.138 cu.yd. box culvert concrete, etc.; 11.247 mi. Stanton-Wisner-Wayne Rd., Project 70 B, Wayne Co., 122,700 cu.yd. grading, 93,400 cu.yd. sta. overhaul, 96.945 cu.yd. headwall and 99.58 cu.yd. box culvert concrete, etc.; Alliance-Chadron Rd., Project 76 A, Dawes Co., 236.67 sq.yd. 6-8 in. concrete pavement, etc.; Bayard-Broadwater Rd., Project 79 A, Morrill Co., 10,640 cu.yd. clay and 130,862 cu.yd. gravel surfacing, etc.; 2.48 mi. Oakland-Crowell Rd., Project 88 C, Cuming Co., 18,000 cu.yd. grading, 3,600 cu.yd. clay surfacing, 10,000 cu.yd. sta. overhaul, etc.; 6.72 mi. Cr[illegible]-Dorchester Rd., Project 98 C, Saline Co., 21,800 cu.yd. grading, 32,400 cu.yd. sta. overhaul, 46 cu.yd. headwall and 58.6 cu.yd. box culvert concrete, etc.; 27.85 mi. Hay Springs-Merriman Rd., Project 108, Sheridan Co., 165,848 cu.yd. grading, 2,667 sq.yd. clay surfacing, 45,364 cu.yd. sta. overhaul, 205.62 cu.yd. headwall and 77.12 cu.yd. box culvert concrete, etc.; 16.63 mi. Nebraska City-Lincoln Rd., Project 133 A, Otoe Co., 126,600 cu.yd. grading, 92,200 cu.yd. sta. overhaul, 185.4 cu.yd headwall and 17.8 cu.yd. box culvert concrete, etc.; 11.48 mi. Fairmont-Osceola Rd., Project 143 B, York Co., 108,184 sq.yd. gravel surfacing, 37.1 cu.yd. headwall and 46.9 cu.yd. box culvert concrete, etc.; 7.573 mi. Ogallala-Belmar Rd., Project 146 B, Keith Co., 59,740 cu.yd grading, 64,226 sq.yd. clay surfacing, 61,200 cu.yd. sta. overhaul, etc.; 4.55 mi. Hebron-Nelson Rd., Project 164 A, Thayer Co., 40,000 cu.yd. grading, 7,921 cu.yd. sta. overhaul, 36 cu.yd. headwall and 81 cu.yd. box culvert concrete, etc.; 9.98 mi. Hebron-Nelson Rd., Project 164 B, Nuckolls Co., 51,270 cu.yd. grading, 11,000 cu.yd. sta. overhaul, 77.93 cu.yd. headwall and 216.12 cu.yd. box culvert concrete, etc.; 5.55 mi. Stuart-Bassett Rd., Project 168 A, Holt Co., 54,000 sq.yd. clay surfacing, etc.; 16.168 mi. Stuart-Bassett Rd., Project 168 B, Rock Co., 173,031 cu.yd. grading, 87,220 cu.yd. sta. overhaul, 51.867 cu.yd. headwall and 206.32 cu.yd. box culvert concrete, etc.; 26.33 mi. road from North Platte east, Project 170, Lincoln Co., 18,500 cu.yd. grading, 17,500 cu.yd. clay and 308,671 cu.yd. gravel surfacing, etc; 13.37 mi. West Point-Wisner Rd., Project 172, Cuming Co., 157,313 sq.yd. gravel surfacing, 39.05 cu.yd. headwall and 186.03 cu.yd. box culvert concrete, etc.; 6.013 mi. road from Columbus east, Project 180, Platte Co., 48,200 cu.yd. grading, 18,821 sq.yd. gravel surfacing, 15,000 cu.yd sta. overhaul, etc.; 5.98 mi. Ravena-Sweetwater Rd., Project 181, Sherman and Buffalo Counties, 52,500 cu.yd. grading, 36,000 cu.yd. sta. overhaul, 53.9 cu.yd. headwall and 39.8 cu.yd. box culvert concrete, etc.; 12.99 mi. Gretna-Elk City Rd., Project 183, Douglas Co., 125,800 cu.yd. grading, 595.4 sq.yd. concrete paving, 253,493 cu.yd. sta. overhaul, 163.37 cu.yd. headwall and 16.65 cu.yd. box culvert concrete, etc.; 11.4 mi. Elwood-Stockville Rd., Project 184, Gosper Co., 92,543 cu.yd. grading, 34,008 cu.yd. sta. overhaul, 71.924 cu.yd. headwall concrete, etc.; 13.71 mi. Geneva-Milligan Rd., Project 185, Fillmore Co., 55,300 cu.yd. grading, 20,100 cu.yd. sta. overhaul, 103.3 cu.yd. headwall and 109.4 cu.yd. box culvert concrete, etc.; 9.606 mi. Kimball-Bushnell Rd., Project 186, Kimball Co., 70,000 cu.yd. grading, 1,926 cu.yd. topsoiling, 3,620 cu.yd sta. overhaul, 65.21 cu.yd. headwall and 191.08 cu.yd. box culvert concrete, etc.; Osceola-David City Rd., Project 29, Butler Co., 46,791 sq.yd. gravel surfacing; 16,325 mi. Sidney-Dalton Rd., Project 130 B, Cheyenne Co., 118,200 cu.yd. grading, 6,000 cu.yd. topsoil surfacing, 7,800 cu.yd. sta. overhaul, 85.7 cu.yd. headwall and 37 cu.yd box culvert concrete, etc.; 10.21 mi. Arnold-Merna Rd., Project 188, Custer Co., 123,583 cu.yd. grading, 111,413 cu.yd. sta. overhaul. 63.5 cu.yd. headwall and 138.3 cu.yd. box culvert concrete, etc.; Greenwood-Chalco Rd., Project 107 C, Sarpy Co., 1,543 sq.yd. concrete paving; 4.25 mi. Johnson-Auburn Rd., Project 116 A, Nemaha Co., 41,300 cu.yd. grading; 5.99 mi. Lincoln Highway, Project 20, Douglas Co., 2,832 cu.yd. grading, 54,775 sq.yd. concrete, brick, bitulithic or asphaltic paving, 63,178 lin.ft. 12 in. concrete curb, etc.; 3.05 mi. Smiley Canyon Rd., Project 102 B, Sioux Co., 24,288 cu.yd. earth and 1,602 cu.yd. solid rock grading, 9,864 cu.yd. sta. overhaul, 27.81 cu.yd. headwall and 33 cu.yd. box culvert concrete, etc.; 5.45 mi. Norfolk-Ewing Rd., Project 139 E, Holt Co., 34,090 cu.yd. grading, 6,000 cu.yd. clay surfacing, 2,545 cu.yd. sta. overhaul, etc.; 9.97 mi. Dorchester-Friend Rd., Project 55 B, Saline Co., 29,240 cu.yd. grading, 3,455 cu.yd. sta. overhaul, etc.; 0.76 mi. Florence Heights Rd., Project 189, Douglas Co., 25,757 cu.yd. grading, 82,150 cu.yd. sta. overhaul, etc.; 5.01 mi. Curtis-Maywood Rd., Project 176, Frontier Co., 83,700 cu.yd. earth, 1,500 cu.yd. special and 2,330 cu.yd. channel excav., 22,850 cu.yd. sta. overhaul, 758 sq.yd. concrete overflow pavement, 297.71 cu.yd. box culvert and 81.13 cu.yd. headwall concrete, etc.; Oakland-South Sioux City Rd., Project 49 A, Dakota Co., 2,539 cu.yd. earth excav, 1,930 sq.yd. concrete overflow pavement; 1.91 mi. Florence-Blair Rd., Project 91 B, Washington Co., 24,206 cu.yd. earth and 425 cu.yd. special excav., 1,500 cu.yd. sta. overhaul, 350 sq.yd. concrete overflow pavement, etc.; 6 mi. Norfolk-Ewing Rd., Project 139 F, Antelope Co., 32,000 cu.yd. earth, 750 cu.yd.

Streets and Roads (Continued)

special, 7,166 cu.yd. clay and 1,700 cu.yd. channel excav., 2,500 cu.yd. sta. overhaul, 8,450 cu.yd. mi. hauling clay for surfacing, 39.69 cu.yd. headwall concrete, etc.; Harvard-Eldorado Rd., Project 182, Clay Co., 86,660 cu.yd. excav., 24,100 cu.yd. sta. overhaul, one 16 ft. and one 20 x 20 ft. I beam bridges, 61.1 cu.yd. mass and 17.1 cu.yd. architectural concrete, 4,855 lb. reinforcing and 4,700 lb. structural steel, 83.1 sq. yd. bituminous cold mix tar wearing surface, etc.; 6.63 mi. Minden-Newark St., Project 196, Kearney Co., 25,500 cu.yd. excav., 1,000 cu.yd. sta. overhaul, 5,385 cu. yd. mi. haul for surfacing, 29,422 sq.yd. gravel surfacing, one 20 x 32 ft. I beam bridge, 10 cu.yd. architectural and 40 cu.yd. mass concrete, 3,000 lb. reinforcing, 68 sq. yd. bituminous cold mix tar wearing surface, etc.; 6.76 mi. Haigler-Sanborn Rd., Project 191, Dundy Co., 43,000 cu.yd. earth and 373 cu.yd. special excav., 120,000 cu. yd. sta. overhaul, 340 sq.yd. concrete overflow pavement, etc.; 2.08 mi. Lutherville-Oshkosh Rd., Project 192 A, Garden Co., 13,617 cu.yd. earth, 6,889 cu.yd. clay and 152 cu.yd. special excav., 4,560 cu.yd. sta. overhaul, 4,363 cu.yd. mi. haul clay for surfacing, etc.; 4.52 mi. Litchfield-Hazard Rd., Project 195 A. Sherman Co., 48,000 cu.yd. earth, 2,807 cu.yd. channel and 441 cu.yd. special excav., 38,000 cu.yd. sta. overhaul, 74.52 cu.yd. box culvert and 34.8 cu.yd. headwall concrete, etc.; 13.973 mi Florence-Elk City Rd., Project 187, Douglas Co., 141,500 cu.yd. earth and 2,000 cu.yd. special excav., 308,800 cu.yd. sta. overhaul, 201.45 cu.yd. headwall concrete, etc.; 1.003 mi. Springview-Bassett Rd., Project 137 A, Rock Co., 19,900 cu.yd. grading, 3,000 cu.yd. sand clay surfacing, 9,826 cu.yd. sta. overhaul, etc.; Rockville-Loup City Rd., Project 37, Sherman Co., 8,900 cu.yd. grading, 1,643 cu.yd. sand clay surfacing; Norfolk-Ewing Rd., Project 139 B, Madison Co., 2,088 cu.yd. grading, 4,178 sq.yd. concrete paving, etc.; 11.24 mi. Bennett-Adams Rd., Project 175 B, Lancaster Co., 136,390 cu.yd. earth, 25,000 cu.yd. special and 11,204 cu. yd. channel excav., 193,931 cu.yd. sta. overhaul, 126.18 cu.yd. box culvert and 9,898 cu.yd. headwall concrete, 519.9 cu.yd. concrete, 29,170 lb. reinforcing bars, etc. G. E. Johnson, secy. Dept. Pub. Wks.

Tex., Canyon—June 3, by J. D. Gamble, mayor, paving various streets, incl. 2,565 lin.ft. concrete curb, 384 lin.ft. header oak, 865 cu.yd. earth excav., 8,915 sq.yd. vitr. brick. Alternate bids on one course concrete. $35,000. Hassie & Preston, Muleshoe, city engrs.

Tex., McKinney—June 1, by O. T. Murray, judge Collin Co., surfacing 11.06 mi. Wylie Rd. Dist. 15, incl. 6,090 cu.yd. sledged stone, 11,670 cu.yd. local gravel, 335,121 cu. yd. shipped gravel. $75,000. F. W. Cawthon, co. engr.

Colorado—June 2, State Hy. Dept., Denver, improving Independence Pass Rd., Sect. A, State Project 503-B, Pitkin Co., 9,000 cu.yd. common, 3,500 cu.yd. rock and 1,000 cu.yd. borrow excav., $14,746; 1.7 mi. Independence Pass Rd., Sect. B, State Project 503-B, Pitkin and Lake Counties, 10,000 cu.yd. common 2,500 cu.yd. rock and 2,000 cu.yd. borrow excav., $13,910; 1.75 mi. Independence Pass Rd., Sect. C, State Project 503-B, Lake Co., 10,000 cu.yd. common, 2,500 cu.yd. rock and 1,200 cu.yd. borrow excav., $13,723; concrete paving 1.363 mi. various roads, Federal Aid Project 162, Manitou Co., 3,300 cu.yd. common, 1,000 cu. yd. rock and 3,400 cu.yd. borrow fill excav., 14,530 sq.yd. plain cement pavement, $54,443; 0.019 mi. bridge over Sampson Creek, on State Highway 1-S, near Melvin, Arapahoe Co., 100 ft. steel truss, $18,119. L. D Blauvelt, state highway engr.

Nevada—May 31, by State Hy. Comn., Carson City, grading, gravel surfacing and building culverts on 19.83 mi. Sect. B, Route 2, Elko to Halleck, Elko Co. (former bids rejected); 15.01 mi. Sect. C-2, Route 2, Illipah to Robinsons Summit, 54,600 cu.yd. excav., 9.02 mi. subgrade and shoulders, 10,300 cu.yd. loading, 55,000 yd. mi. hauling and 10,300 cu.yd. spreading gravel, etc.; 22.95 mi. Sect. B, Route 2, Pancake Summit to Illipah, White Pine Co., 107,000 cu.yd. excav., 11.48 mi. subgrade and shoulders, 13,100 cu.yd. loading, 52,400 yd. mi. hauling and 13,100 cu.yd. spreading gravel, etc. G. W. Borden, state highway engr. Noted April 27.

California—June 12, by State Hy. Comn., Sacramento, grading 16.5 mi. highway between Trinidad and Freshwater Lagoon, Humboldt Co.; 8 mi. between Johnstonville and Janesville, Lassen Co.; 8.5 mi. between westerly boundary and San Luis Creek, Merced Co., and paving with concrete 5.1 mi.; paving with concrete 12.2 mi. between San Luis Creek and Los Banos, Merced Co. A. B. Fletcher, state highway engr.

Cal., Fresno—June 5, by Fresno Co., paving 5 mi. Shaw Ave. C. P. Jensen, co. surv. Noted April 27.

Cal., Santa Ana—May 29, by City Clerk, paving 16th and 17th Sts., involving 140,000 sq.ft. 6 in. concrete.

Quebec—May 30, by J. L. Perron, minister Dept. Rds., Parliament Bldg., Quebec, macadam paving 6.2 mi. Montreal-Ottawa Highway, 16 ft., in village of L'Abord-a-Plouffe, St. Dorothee Parish, and west part of St. Rose Parish.

Que., Montreal—May 29, by Executive Comn., 5,812 ft. cement sidewalks, on Boyer, Bordeaux, Ash, Kelly and Labrecque Sts., St. Lawrence and St. Joseph Blvds. E. Blanchard, road supt.

Ont., Binbrook—May 30, by J. E. Peart, engr., CourtHouse, Hamilton, 9,500 sq.yd. concrete pavement. Wentworth Co., owner. $30,000.

Ont., Stratford—May 29, by A. B. Manson, city engr., pavements on Mains, Avon and Station Sts., 30,000 sq.yd. asphalt. $60,000.

BIDS RECEIVED

New York—H. S. Sisson, comr. State Hy. Dept., Albany, opened bids May 19, improving (1) 4.36 mi. Fredonia-Silver Creek, Parts 3-A and 3-B, Highways 8098 and 5670, Chautauqua Co., (2) 0.79 mi. Homer Village: Clinton St., Highway 1636, Cortland Co., (3) 2.67 mi. Cincinnatus-Taylor-Pitcher, Part 1, Highway 1637, Cortland Co., (4) 3.51 mi. Wales Center-Varysburg, Part 1, Highway 5672, Erie Co., (5) 3.55 mi. Tannersville,Haines Falls, Highway 1630, Greene Co., (6) 5.25 mi. Niagara Falls-North Tonawanda, Highway 1635, Niagara Co., (7) 3.62 mi. Ridgeway-Gaines, Part 2, Highway 8099, Orleans Co., (8) 0.56 mi. Hornell-Wayland, Part 1, Highway 1625, Steuben Co., (9) 1.33 mi. Amityville Village; Bway., Highway 1633, Suffolk Co., (10) 0.68 mi. Hudson Falls Village: Boulevard and La Crosse Sts., Highway 1638, Washington Co., (11) 0.92 mi. Clyde Village: Genesee, Sodus, South Park and Glasgow Sts., Highway 5676, Wayne Co., (12) 1.28 mi. Port Chester Village: Main St., Highway 5662, Westchester Co., repairing (13) 2.6 mi. Highway 879, Repair Contr. 1345, Albany Co., (14) 1.11 mi. Highway 79, Repair Contr. 1337, Monroe Co., (15) 1.81 mi. Highway 168, Repair Contr. 1344, Monroe Co., (16) 1.03 mi. Highway 5375, Repair Contr. 1314, Westchester Co., from Neilans Bros., Tonawanda, (1) $146,166, (6) $229,233; Wing & Munger, Holley, (1) $150,268, (4) $142,456, (7) $89,849, (14) $36,389; Hendrickson-McCabe Constr. Co., Inc., Syracuse, (1) $151,031; S. P. Hull, Cortland, (2) $30,975 and $35,975; Ludke Bros., Hockeburn Ave., Auburn, (2) $33,475; O'Day & Ambrose, Binghamton, (2) $34,920; C. D. Murray, Syracuse, (3) $62,724; F. A. Potter, Utica, (3) $62,901; P. H. Murray, Rochester, (3) $64,794,(15) $52,757; Cold Spring Constr. Co., Ellicott Sq., Buffalo, (4) $131,018; C. H. Sage, Batavia, (4) $139,145, (6) $236,362, (7) $86,956; W. F. Shaughnessy, Oneonta, (5) $156,676; Ward & Tully, Inc., 189 Montague St., Brooklyn, (5) $162,466; W. C. Rich, Youngstown, (6) $226,921; C. A. Foote & Son, Mt. Morris, (7) $88,722; L. U. Dennison, Hornell, (8) $18,684; Kennedy Constr. Co., Albany, (8) $18,689; W. L. Collins, Hornell, (8) $18,841; C. Heling, Lindenhurst, (9) $40,832; Fleming & Sheppard Co., Inc., New York, (9) $43,308; Soviero & Britton, Richmond Hill, (9) $44,598; J. E. Flood Co., Hudson Falls, (10) $21,774; W. M. Bronk, Hudson Falls, (10) $22,994; J. Nassivera, Glens Falls (10) $23,358; F. H. Wells, Savannah, (11) $56,867; Rochester Vulcanite Pavement Co., Rochester, (11) $58,777; Chambers & Barnes, Rochester, (11) $59,138; J. J. Hart Constr. Corp., Yonkers, (12) $154,974; O'Rourke Contg. Co., 1476 Bway., New York, (12) $159,980; Daly & Merritt, Inc., Portchester, (12) $169,835; Paving & Constr. Corp., Albany, (13) $45,279; Willite Road Constr. Co., Inc., 51 Chambers St., New York, (13) $46,551; Rochester Foundation Co., Inc., Rochester, (14) $33,625; Sweeney & Boland, Rochester, (14) $37,373, (15) $49,807; A. A. Howard, Fairport, (15) $53,617; Malloy & Murray Contg. Co. and Petrillo Bros., Yonkers, (16) $59,995; T. Miele, New Rochelle, (16) $61,932; Smith Bros. Contg. Co., Inc., Pelham, (16) $62,901. Noted May 18.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Municipal Bldg., opened bids May 16, repaving (1) East 161st St., paving (2) West 238th St., (3) East 180th St., (4) Cromwell Ave., grading, setting curbs and laying sidewalks, etc., on (5) DeKalb Ave., etc., from Leonard Paving Co., 233 Bway., (1) $89,875; Asphalt Constr. Co., 2197 Madison Ave., (1) $90,406, (2) $24,908, (3) $2,569; Regan Towers Co., 124 West 121st St., (1) $90,986; Interborough Asphalt Co., 233 Bway., (2) $25,662; C. D. Beckwith, Inc., 2875 Bway., (3) $2,349, (4) $31,560; Brusstar Constr. Co., Inc., Harlem River and 150th St., (3) $2,529, (4) $32,528; Uvalde Asphalt Paving Co., 1 Bway., (4) $32,544; M. Del Balso, University Ave. and 195th St., (5) $5,886; C. Del Blasio, (5) $5,933; Estates Contg. Co., (5) $5,954. Noted May 11.

N. Y., New York—H. Bruckner, pres. Bronx Boro, opened bids May 18, repaving (1) Rider Ave., paving (2) Valentine Ave., from Asphalt Constr. Co., 2197 Madison Ave., (1) $51,864; P. J. Kearns Contg. Co., 2306 Creston Ave., (1) $52,568, (2) $132,842; Astoria Contg. Co., 169 Hunter Ave., Long Island City, (1) $54,676; Regan Towers Co., 124 West 121st St., (2) $129,121; Burnside Contg. Co., 270 Burnside Ave., (2) $132,563. Noted May 11.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids May 18, repaving (1) East 11th St., (2) West 124th St., (3) 75th St., (4) 65th St., (5) West 113th St., etc., from J. Meehan & Son, 74 Cortlandt St., (1) $20,582; Regan Towers Co., 124 West 121st St., (1) $20,681; D. J. McCarthy, 88 Audubon Ave., (1) $20,867, (2) $21,923; P. J. Kearns Contg. Co., 2306 Creston Ave., (2) $21,890; Burnside Contg. Co., 270 Burnside Ave., (2) $22,230; W. J. Fitzgerald, 547 West 45th St., (3) $5,852, (4) $11,983; C. D. Beckwith, Inc., 2875 Bway., (3) $5,993; Asphalt Constr. Co., 208 Bway., (3) $6,028, (4) $12,773, (5) $6,323; Brusstar Constr. Co., Harlem River and 150th St., (4) $12,633, (5) $6,495; Interboro Asphalt Co., 233 Bway., (5) $6,471. Noted May 11.

N. J., Madison—Roads & Sidewalks Com., 2 Green Village Rd., opened bids May 8, paving Park Ave., from Hastings Pavement Co., 25 Broad St., $11,201. Noted May 4.

Alabama—State Hy. Dept., Montgomery, improving 9.17 mi. highway from Decatur to Hartselle, Morgan Co., double surface bituminous treatment with (a) tar, (b) lake asphalt, (c) oil asphalt, from J. F. Morgan Paving Co., Woodward Bldg., Birmingham, (a) $19,235, (c) $17,727, Texas Roads Co., Gt. Sou. Life Bldg., Dallas, Tex., (a) $18,481, S. K. Jones Constr. Co., 1252 Herbert St., Memphis, Tenn., (c) $21,121, G. C. Goodrich & Co., Albany, (b) $25,647, (c) $21,875; grading and surfacing 5.307 mi. from Alexander City to Jacksons Gap, Tallapoosa Co., with (a) 2½ in. bituminous macadam, (b) chert, (c) gravel, from R. D. Chambers Constr. Co., West Point, Ga., (a) $99,862, (c) $60,982, Stanley & Singer Constr. Co., La Fayette, (a) $101,653, (c) $64,634, T. P. Wright, Atlanta, Ga, (a) $106,172, Alabama Constr. Co., Bell Bldg., Montgomery, (b) $77,302, Gardiner-Crawford Co., Columbus, Ga., (c) $69,023. Noted April 27.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids May 19, grading, bridging and paving roads with (a) waterbound macadam and sheet asphalt, (b) asphaltic macadam, (c) tar macadam, (d) brick, (e) rein.-con., (f) monolithic brick, (g) state to furnish monolithic brick, (h) state to furnish brick, (i) Kentucky rock asphalt, (j) bituminous concrete, oil (k) bituminous concrete, waterbound base, (l) asphaltic concrete, (m) concrete, in following counties: Allen Co., Sect. "L-1" and "Beaverdam" Lima-Sandusky Rd., 3.045 mi., from Westrick, Kraus & Shreves, Napoleon, (a) $96,766, (b) $64,775, (c) $64,775, (d) $97,432; F. A. Frobase, Lima, (a) $98,052; F. F. Walton Co., Upper Sandusky, (a) $98,185, (b) $69,335; E. L. Reeb, Defiance, (b) $69,547, (c) $69,512, (d) $105,712; Action Bros., Vaughnsville, (c) $68,477, (d) $102,712. Auglaize Co., Sect. "H" Lima-Wapakoneta Rd., 6.558 mi., from V. C. Smith, 703 Amer. Bldg., Dayton, (d) $223,995, (e) $167,772, (f) $226,230, (g) $154,000, (h) $164,000; Radebaugh-Graham Co., Columbus, (e) $176,804, (f) $223,393; Lima Willite Co., Lima, (e) $181,422; H. H. Pratt Co., Mt. Blanchard, (b) $147,532, (c) $147,528; N. B. Putnam, Van Wert, (b) $148,140, (c) $147,793; S. Monroe Co., Portsmouth, (f) $226,867; W. K. Drake, Marion, (g) $160,000, (h) $176,000; Doris Constr. Co., Akron, (d) $228,254; Lewis & Copeland, Lima, (d) $237,742. Augalaize Co., Sect. "G" Sidney-Wapakoneta Rd., 5.305 mi., from V. C. Smith, 703 Amer. Bldg., Dayton, (e) $157,814, (f) $195,636, (g) $139,000, (h) $148,000; Radebaugh-Graham Co., Columbus, (d) $196,296, (e) $154,853, (f) $191,161; Lewis & Copeland, Lima, (e) $154,910; Westrick, Krauss & Shreves, Napoleon, (b) $119,845, (c) $119,845, (d) $187,978, (h) $136,708; N. B. Putnam, Van Wert, (b) $133,475, (c) $133,195; Dorsey Constr. Co., Findlay, (f) $196,736; W. K. Drake, Marion, (f) $196,736, (g) $142,665, (h) $153,596; Hinton & Smalley, Celina, (d) $189,321. Belmont Co., Sect. "G-1" Barnesville-Woodsfield Rd., 3.462

Streets and Roads (Continued)

mi., from Tri-State Constr. Co., Youngstown, (b) $83,727, (c) $83,727; B. C. Stringer, Rayland, (b) $87,360, (c) $87,002; Wilson-Miller Co., Barnesville, (b) $87,522, (c) $86,806. Carroll Co., Sect. "D" Minerva-Sandyville Rd., 2.915 mi., from W. G. Owen, Mineral Ridge, (c) $73,723, (d) $89,199; Culbertson & Casper, Canton, (b) $76,988; E. J. Kane, 461 West Indianola Ave., Youngstown, (b) $79,262; Chester Genl. Contg. Co., East Liverpool, (d) $87,719, (h) $61,271; Newark Paving & Constr. Co., Newark, (d) $90.601 (h) $63.311. Carroll Co. Sect. "A" Carrollton-Malvern Rd., 2.511 mi., from Chester Genl. Contg. Co., East Liverpool, (d) $100,150, (h) $76,309; E. J. Kane, 461 West Indianola Ave., Youngstown. (b) $89.625, (d) $101,391; Allison-Harris Co., East Liverpool, (c) $86,537, (d) $101,696, (h) $78,556; Newark Paving & Constr. Co., Newark, (h) $80,-450. Carroll Co., Sect. "B" Carrollton-Malvern Rd., 4.018 mi., from Chester Genl. Contg. Co., East Liverpool, (d) $157,425, (h) $120,273; E. J. Kane, 461 West Indianola Ave., Youngstown, (b) $140,210, (d) $157,691; Allison-Harris Co., East Liverpool, (c) $134,820, (d) $156,193, (h) $121,-227. Coshocton Co., Sect. "D" Newark-Coshocton Rd., 3.33 mi., from V. C. Smith, 703 Amer. Bldg., Dayton, (d) $125,610, (h) $99,889; T. J. Norman & Son, West Lafayette (d) $129,073; Newark Paving & Constr. Co., Newark, (d) $131,357, (e) $102,659, (h) $98,977; Dunzweiler Constr. Co., Zanesville, (h) $102,451; Henderson Bros., Coshocton, (e) $100,696; E. and W. McShaffrey Co., Rhoades Ave., Akron, (e) $101,773; L. B. Wilson, Newark, (b) $74,-568. Hancock Co., Sect. "B" Findlay-Kenton Rd., 1.72 mi., from C. V. Rector, Muncie, Ind., (e) $46,466, (i) $44,801; C. L. Straw, Paulding, (e) $46,867, (i) $46,-991; W. Wilson, Dunkirk, (i) $47,209, (k) oil, $42,863, lake, $44,800; Dorsey Constr. Co., Findlay, (j) $53,199; Thompson-O'Rourke Co., Toledo, (j) $53,228, (k) oil, $42,898; Acton Bros., Vaughnsville, (j) $54,512; J. Sheehan Co., Toledo, (e) $46,-567; Ada Constr. Co., Ada, (k) oil, $44,868. Medina Co., Sect. "S-1" Ashland-Medina Rd., 2.519 mi., from Crum & Woods, Lodi, (b) $73,465, (e) $77,931; Newark Paving & Constr. Co., Newark, (e) $78,069; G. S. Mellert Co., Medina, (b) $75,431, (e) $78,594. Morgan Co., Sect. "I" McConnelsville-New Lexington Rd., 2.061 mi., from Miller & Rothrock, Ada, (b) $48,804, (c) $48,804; Henderson Bros., Chagrin Falls, (b) $49,201; S. W. Wrightsel Co., Logan, (b) $50,303, (c) $50,692; F. Nixon Co., Columbus, (c) $49,745. Perry Co., Sect. "H" Zanesville-New Lexington Rd., 3.217 mi., from Newark Paving & Constr. Co., Newark, (e) $102,144; E. and W. McShaffrey Co., Rhoades Ave., Akron, (e) $103,080; W. F. Payne, Springfield, (e) $102,287, (i) $116,533, (j) $113,179; C. V. Rector, Muncie, Ind., (i) $109,256. Richland Co., Sect. "K" Mansfield-Mt. Gilead Rd., 3.476 mi., from Westrick, Krauss & Shreves, Napoleon, (e) $109,123; J. J. McCartney, Ravenna, (e) $114,857; Homeberger-Wagar Co., Feick Bldg., Sandusky, (e) $116,000. Richland Co., Sect. "Lexington" Mansfield-Mt. Gilead Rd., 0.588 mi., from Westrick, Krauss & Shreves, Napoleon, (e) $30,326; Pettibone & Graves, Lakeside, (e) $31,000; Homeberger-Wagar Co., Feick Bldg., Sandusky, (e) $31,000. Sandusky Co., Sect. "A" Fremont-Oak Harbor Rd., 3.448 mi. from Modern Constr Co., Fremont, (d) $114,755, (e) $109.571, (h) $83,800, (j) lake $113,-740, oil, $110,703; Wise Bros. & Burman, Elmore, (d) $123,597, (h) $93,597, (j) lake or oil, $116,769; J. Sheehan Co., Toledo, (d) $123,668, (e) $110,309; A. G. Witte, Elmore, (h) $94,947; Homeberger-Wagar Co., Feick Bldg., Sandusky, (e) $109,500. Seneca Co., Sect. "D-2" Columbus-Sandusky Rd., 1.587 mi., from Central Paving Co., Hamilton, (b) oil or lake, $28,477; C. M. Gray, Waterville, (b) oil, $30,384, (c) $30,235; R. M. Myers, Attica, (b) oil, $30,270, (c) $30,829; F. F. Walton, Upper Sandusky, (c) $31,129. Trumbull Co., Sect. "Q" Warren-Sharon Rd., 2.55 mi., from H. P. Streicher Co., Toledo, (1) $44,883; Evans Bros., Hubbard, (i and m) $44,410, (1) $45,683; Kelly & Myer, South Side Block Bldg., Youngstown, (1) $45,797; P. J. Ross, 430 West Madison Ave., Youngstown, (1 and m) $44,514. Union Co., Sect. "L" Marysville-Marion Rd., 4.403 mi., from L. G. Rockholt, West Mansfield, (b) oil, $99,827, (c) $100,645; C. M. Gray, Waterville, (b) oil, $103,420, (c) $103,420; Neff & Rader, Circleville, (b) oil, $103,427; C. O. Heid & Son, Marysville, (c) $103,196. Washington Co., Sect. "L" Marietta-Caldwell Rd., 3.727 mi., from Renick & Smith, Columbus, (e) $95,628; E. N. Turner, Logan, (e) $96,482; McElfresh & Danford, Caldwell, (e) $97,568. Wayne Co., Sect. "P" Akron-Wooster Rd., 2.002 mi., from Smith Constr. Co., Youngstown, (e) $51,678, (j) $59,277; H. Gilbert, Akron, (d) $56,115, (e) $51,819, (j) $61,-175; Newark Paving & Constr. Co., (e) $52,697. Wayne Co., Sect. "K" Orrville-Northern Rd., 3.466 mi., from Zeller & Drum, Swanton, (d) $108,776; H. Gilbert, Akron, (d) $109,666, (e) $96,237, (j) $112,014; Holmer Constr. Co., Millersburg, (d) $109,773, (e) $98,523; C. and E. McShaffrey Co., Rhoades Ave., Akron, (j) $105,606; Smith Constr. Co., Youngstown, (e) $98,441, (j) $106,890. Noted May 11.

O., Cleveland — Paving Parkview Ave., from Bentley Bros., 1836 Euclid Ave., $46,-197 H. G. Herring, Pavers Exch., Society for Savings Bldg., $46,572; East 140th St., from Gould & Maybach, 823 East 140th St., $46,336, Enterprise Paving & Constr. Co., 8444 Bway., $48,035. Noted May 18.

O., Cleveland Heights (Warrensville, P. O.)—Opened bids May 15, paving (1) Berkshire, Hampshire, Nottingham and Overlook Lanes, Clarkson and Mornington Rds., (2) Superior Rd., from Rieley Bros., The Arcade, Cleveland, (1) $57,631, (2) $44,481; Cleveland Trinidad Paving Co., The Arcade, Cleveland, (1) $58,838, (2) $44,300. Work involves 13,100 cu.yd. earth excav., 110,150 sq.ft. vitr. brick, 18,-590 sq.yd. asphaltic concrete, 135,630 sq.ft. 6 in. concrete base. Noted May 11.

O., Columbus—Franklin Co. opened bids May 17, grading, bridging and paving (1) 2.91 mi. Courtright Rd., Truro Twp., (2) 2.9 mi. Stygler Rd., Mifflin Twp., from D. W. Botkin & Son, 658 Carpenter St., (1) $43,611, (2) $53,089; C. McDaniel & Co., 315 Stoneman Bldg., (1) $43,674; W. E. Schartz, Sta. B, (1) $47,798; J. L. Edwards, Sunbury, and J. M. Sandusky, Gahanna, (2) $51,727; A. W. Burns & Co., Stoneman Bldg., (2) $53,751. Noted May 4.

O., Shaker Heights (Cleveland P. O.)—Grading and laying sidewalks on Stoer, Milverton and Glencairn Rds., 80,000 sq.ft. stone flag sidewalk and 24,000 cu.yd. earth excav., from Ohio Quarries Co., Citizens Bldg., Cleveland, $27,856; Cleveland Stone Co., 1836 Euclid Ave., Cleveland, $29,544.

O., Shaker Heights (Cleveland P. O.)—Paving Lomona Blvd., Avalon and Glencairn Rds., 37,871 sq.yd. asphalt, from Cleveland, $103,559; Rieley Bros., The Arcade, Cleveland, $118,584.

Mich., Detroit — Grading, shaping and paving with 3 in. sheet asphalt (1) Bryden Ave., (2) Cabot Ave., (3) Edgevale Ave., (4) Ironside St., (5) Palmer Ave. from Bellevue to Baldwin Sts., (6) Palmer Ave. from Baldwin to Van Dyke Sts.; one course rein.-con. on following alleys, (7) 1454, (8) 1455, (9) 1456, (10) 1457, (11) 1458, (12) 1459, from Detroit Asphalt Paving Co., 20 McGraw Bldg., (1) $7,246, (2) $20,885, (3) $12,499, (4) $4,242, (5) $30,469, (6) $4,651; Willite Rd. Constr. Co., 600 Griswold St., (1) $7.548, (2) $22,106, (5) $32,001; Cleveland Trinidad Paving Co., 402 Hammond Bldg., (1) $7,848, (2) $23,314, (4) $4,476, (5) $33,834, (6) $5,115; G. R. Cooke, 1260 Penobscot Bldg., (3) $12,800; T. E. Currie, 20 McGraw Bldg., (7) $4,040, (10) $3,146; A. F. Lester, 309 Sun Bldg., (7) $4,370; Otis Cement Constr. Co., 806 Hammond Bldg., (7) $4,238, (8) $4,257, (9) $3,765, (10) $3,221, (11) $974, (12) $2,302; J. Porath, 34 McGraw Bldg., (8) $4,368, (9) $3,846, (11) $968, (12) $2,361; R. J. Powelson Co., 6445 Iroquois Ave., (8) $4,612, (9) $4,262, (10) $3,242, (11) $1,118, (12) $2,366.

Mont., Bozeman—Gallatin Co., grading and gravel surfacing 4.4 mi. Federal Aid Project 169, from Three Forks eastward, 43,000 cu.yd. excav., 8,878 cu.yd. gravel, from H. Downer, Deaver, Wyo., $30,654; James & Mills, 314 Chaucer St., Helena, $35,350; Walker & Anderson, Roundup, $36,696. Noted Dec. 29.

Missouri—State Hy. Dept. at div. office Fulton, opened bids May 2, 15.756 mi. Natl. Old Trails Rd., Federal Aid Project 144, Calaway Co., (1) 35.629 cu.yd. earth excav., (2) 25,195 sq.yd. plain macadam, (3) 82,000 lin.ft. grading, etc., from A. H. Lehman, Mokane, (1) $0.45 per cu.yd., (2) $0.70, (3) $0.10, total $78,784.

Missouri—State Hy. Dept. at div. office Marshall, opened bids May 4, 2.694 mi. road from Miami to Marshall and Sedalia to Marshall, opened bids May 4, 2.694 mi. road cu.yd. earth and 5,744 cu.yd. rock excav., 5.521 cu.yd. borrow, etc., from Diemer-Williamson Constr. Co., Brookfield, $20,951, A. L. Cook, Ottawa, Kan., $21,166, J. H. Hartman Constr. Co., St. Joseph, $22,220; 2.595 mi. Natl. Old Trails Rd., State Aid Project 20.155, both Saline Co., 13,099 cu.yd. earth excav., etc., from Hartman Constr. Co., St. Joseph, $9,977, W. A. Ross, Kansas City, $10,221, Diemer-Williamson Constr. Co., Brookfield, $10,327.

Missouri—State Hy. Dept. at div. office Lancaster, opened bids May 4, 4.98 mi. road from Lancaster eastward and westward, State Aid Project 20.144, Schuyler Co., from Cameron-Joyce & Co., Keokuk, Ia., $20,805; Diemer Williamson Constr. Co., Brookfield, $23,228; Cox Bros., Dike, Ia., $24,445. Noted April 27.

Missouri—State Hy. Dept. at div. office Eminence opened bids May 5, 4.261 mi. road from Winona, State Aid Project 20.160, Shannon Co., (1) 25,801 cu.yd. earth excav., (2) 3,126 cu.yd. rock excav., etc., from M. E. Gillioz, Monett, (1) $0.38 per cu.yd., (2) $1.75, total, $24,797; Service Constr. Co., Poplar Bluff, (1) $0.41, (2) $1.65, $25,006; Ramsey, Reynolds & Blocker, Caruthersville, (1) $0.44, (2) $1.85, $26,041. Noted April 20.

Tex., Kaufman — Kaufman Co. opened bids surfacing 25.4 mi. State Highway 40, from S. E. Finley, c/o Finley Method Co., Atlanta, Ga., $42,430; McCollum Constr. Co., 1507 F. & M. Bldg., Ft. Worth, $45,-611; J. E. Ward, 410 Slaughter Bldg., Dallas, $47,304. Noted April 20.

Tex., McKinney—Collin Co. opened bids May 9, surfacing 24.9 mi. State Highway 6, Federal Aid Project 98, from Texas Road Co., Southwestern Life Bldg., Dallas, $21,-651; McCollum Constr. Co., 1507 F. & M. Bldg., Ft. Worth, $22,495; S. E. Finley, c/o Finley Method Co., Atlanta, Ga., $24,-611. Noted April 27.

Utah, Odgen—Paving with concrete 3,000 ft. 25th St. from Harrison to Taylor Aves., and Tyler Ave. from 25th to 26th Sts., from Strange & Vallandingham, Salt Lake City, $44,685; Taylor-Childs Constr. Co., 24 Hudson Ave., $45,813; Gibbons & Reid Co., Salt Lake City, $47,359. Noted April 13.

CONTRACTS AWARDED

Massachusetts—State Hy. Dept., Boston, constructing 3,260 ft. state highway in Andover, granite block and rein.-con., to M. McDonough Co., Swampscott, $103,511.

Massachusetts—State Hy. Dept., Boston, 23,354 ft. Mohawk Trail Route, in Shelburne, bituminous macadam, to J. T. Quinn, Ashton, R. I., $219,349.

Massachusetts—State Hy. Dept., Boston, 17,550 ft. bituminous macadam highway in Williamstown and New Ashford, 18 ft., to Hoyt Constr. Co., 85 Dartmouth St., Holyoke, $127,604. Noted April 13.

Connecticut—State Hy. Com., Hartford, 12,870 lin.ft. Columbia-Hebron Rd., 3 in. bituminous macadam on 7 in. stone, in Columbia and Hebron, to Immick Co., State St., Meriden; 13,180 lin.ft. Middletown-Willimantic Rd., 3 in. bituminous macadam on 7 in. stone, in Marlboro and East Hampton, to J. Arborio, 82 Church St., New Haven; 8,700 lin.ft. Campbell Ave., plain cement concrete, in West Haven, to C. W. Blakeslee & Sons, 57 Waverly St., New Haven; 17,740 lin.ft. Waterbury-Meriden Turnpike, plain cement concrete, in Waterbury and Wolcott, to C. Bianchi & Co., 200 West Central St., Framingham, Mass.; 4,620 lin.ft. North St. in Milford, and 2,780 lin.ft. North St. in Orange, 3 in. bituminous macadam on 7 in. stone, to Connecticut Natl. Pavements, Inc., 173 Orange St., New Haven; 7,600 lin.ft. Hotchkissville Rd., 7 in. native stone macadam, in Washington and Woodbury, to Arborio Road Constr. Co., 408 Main St., Hartford; 2,000 lin.ft. West Thompson-Mechanicsville Rd., rein.-con. in Thompson, and 1,590 lin.ft. Central Village Rd., plain cement concrete pavement, in Plainfield, to Bianchi & Way, Inc., 98 Lincoln Park, Longmeadow, Mass.; 5,000 lin.ft. Waterbury Rd., 8 in. native stone macadam in Prospect, to J. DeMichael & Bro., 58 High St., Torrington. Noted April 27.

Conn., Middletown—Top surfacing 2 mi. Main St., Bermudez sheet asphalt, to E. Balf Co., 26 State St., Hartford, $61,950. Noted May 11.

N. Y., Auburn—To Brayer Bros., Pearson Blk., paving South St., $45,295, Dill St., $5,283 and Court St., $6,919, all warrenite bitulithic. Noted April 27.

N. Y., Belmont—Allegany Co. will construct 1 mi. road in Almond, $3.500; 1 mi. Andover, $3,500; 3.5 mi. Clarksville, $12,-250; 2 mi. Scio, $11,000; 1.75 mi. Hume, $9.025; 1.1 mi. Friendship, $3,850; 1 mi. Cuba, $3,500; 1.6 mi. Wirt, $5.400; 1 mi. Centerville, $7,500; 1 mi. New Hudson, $4,000; 0.5 mi. Granger, $2,000; 1.5 mi. West Almond, $6,000; 1 mi. Allen, $4,000; 1 mi. road Willing, $7,500; by day labor under supervision of H. Craig, Canaseraga, co. supt.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, repaving Albany Ave. and Ridge Blvd., to Borough Asphalt Co., 1309 Metropolitan Ave., $39,867 and $6,691 respectively; Boerum Pl., to Cranford Co., 52

Streets and Roads (Continued)

9th St., $24,917; Halsey St. and Putnam Ave., to Sicilian Asphalt Paving Co., 41 Park Row, New York, $77,933 and $41,322 respectively; Hanover Pl., Linden St. and Sterling Pl., to Uvalde Asphalt Paving Co., 1 Bway., New York, $3,336, $9,676 and $12,423 respectively; Wallabout St., to F. Donovan Sons Contg. & Trucking Co., 614 Union St., $9,787; grading, curbing and laying sidewalks on 59th St., to T. B. Scott, $3,391; 74th St., to C. Gallagher, 745 Dean St., $3,099. Noted May 18.

N. Y., Jamestown—Bd. Estimate & Review will pave about 4 mi. various streets, brick and asphalt blocks on concrete, by day labor. $75,000. L. Bergman, City Bldg., engr.

N. Y., Lyons—Wayne Co. will construct highways by day labor under supervision of county superintendent. $127,259. Address B. M. Smith, Macedon.

N. Y., Salamanca—Will resurface Wildwood Ave. and pave East and West State Sts., Front and State Park Aves., by day labor. $25,000. Noted May 4.

N. Y., Troy—Bd. Contract & Supply, to Troy Paving Co., 418 Gay Bldg., paving 2nd Ave. and 126th St., $96,816, Mill St., $54,730.

N. J., Madison—Roads & Sidewalks Com., 2 Green Village Rd., paving Prospect St., to Hastings Pavement Co., 25 Broad St., $11,783. Noted May 4.

N. J., Toms River—Ocean Co. improving Route 4, Sect. 15, Twp. Sect., to C. H. Earle, 173 Main St., Hackensack, 93.95% of engineers estimate ($112,852); County Sect., to Pub. Serv. Production Corp., 80 Park Pl., Newark, 92.36% ($82,015).

Pennsylvania — State Hy. Dept., Harrisburg, Route 207, Venango and Mercer Counties, to Smethport Constr. Co., 69 North Main St., Union City, $203,137; Route 82, Mercer Co., to Smith Constr. Co., 707 Wick Bldg., Pittsburgh, $101,891; Route 62, Cambria Co., to P. C. Azzara Constr. Co., Cresson, $250,803; Route 207, Sect. 1, Crawford Co., to Smethport Constr. Co., 69 North Main St., Union City, sublet same to J C. Devine Co., Alliance, O., $173,122; Route 195, Perry Co., to Ambler-Davis Co., Harrison Bldg., Phila., $313,403; Application 1812, Warren Co., to F. L. Cohen, Prudential Bldg., Buffalo, N. Y., $119,209; Route 190, York Co., to Mallery & Fitzpatrick, 244 Jackson Ave., Long Island City, N. Y., $113,871; Route 69, Armstrong Co., to C. Winters Constr. Co., Renfrew, $270,132; Route 57, Blair Co., to J. Herrmann, 1305 Jefferson St., Latrobe, $132,788; Route 147, Sect. 3B, Chester Co., to Heyman & Goodman, 15 Exch. Pl., Jersey City, N. J., $210,185; Route 84, Sects. 4 and 5, Crawford Co., to H. C. Bunce, 123 Fulton St., Olean, $229,298; Routes 194, 195 and 229, Snyder and Juniata Counties, to Piel Constr. Co., 2546 Edmondson Ave., Baltimore, Md., $355,886; Route 225, Delaware Co., to W. E. Brenneman Co., 1519 North Amer. Bldg., Phila., $86,979; Route 70, Allegheny Co., to D. McNeil Co., 6120 Jenkins Arcade Bldg., Pittsburgh, $129,825; Route 208, Application 1757, Mercer Co., to Smethport Constr. Co., 69 North Main St., Union City, sublet same to Avery & Bailey, Philipsburg, $174,751; Route 251, Application 1455, Armstrong Co., to Smethport Constr. Co., 69 North Main St., Union City, sublet same to F. S. Wilson, Kittanning, $140,086; Routes 216 and 332, York Co., to Comerford Constr. Co., 125 South 5th St., Phila., $153,102 and $157,666 respectively; Route 55, Sect. 3, Blair Co. and Route 59, Sect. 4, Clearfield Co., to Pottsville Constr. Co., Mortimer Bldg., Pottsville, $254,273 and $534,207 respectively. Noted April 27.

Pa., Ebensburg—Supervs. Richland Twp., c/o Controller Cambria Co., paving 1.52 mi. Solomon Run Rd., vitr. brick, to M. O'Herron Co., 1st and McKean Sts., Pittsburgh, $76,968. Noted May 11.

Pa., Phila.—Grading sections of (1) American, Luzerne, Howard and Pittville Sts., paving with asphalt sections of (2) A, Folsom, Hawthorne, Kip, Madison, Pechin, Pentridge, Ridgewood, Pine, 6th, 17th and 72nd Sts., (3) B, Courtland, Mentor, Olney and 3rd Sts., (4) Pentridge St., improving (5) Magee St., (6) Mermaid St., repaving with redressed granite blocks, (7) Green Lane, Ridge, Front and Rector Sts., grading, paving and repaving (8) York Rd., improving (9) Delaware Ave. from Laurel to Manderson Sts., to T. L. Flannigan, 1204 East Montgomery Ave., (1) $25,349, (6) $5,482; Barber Asphalt Paving Co., Land Title Bldg., (2) $33,928, (8) $42,562; Mack Paving Co., Nicetown Lane and Chelten Ave., Germantown, (Phila. P. O.), (3) $34,840, (5) $2,110; Eastern Paving Co., Colonial Trust Bldg., (4) $2,563, (7) $49,544; J. Mehan & Son, 915 West Dauphin St., (9) $32,693. Noted April 27.

W. Va., Richwood—Concrete and brick paving 1 mi. Fishing Rock and South Richwood Rds., to Tincher & Landacre, Richwood, $25,000.

North Carolina — State Hy. Dept., Raleigh, grading and paving with 2 in. bituminous concrete on 5 in. concrete, 5.05 mi. State Project 446, Lee Co., to Atlantic Bitulithic Co., Virginia Ry. and Power Bldg., Richmond, Va., $169,439; clearing, grading and surfacing with artificial sand-clay, 13.6 mi. State Project 326, Columbus Co., to J. T. Plott, Greensboro, $102,923. Noted May 11.

S. C., Abbeville—Abbeville Co., constructing 7.5 mi. Abbeville-Hodges Rd., to H. N. Garrison, Abbeville, $17,358. Noted March 30.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties: Crawford Co., Sect. "K" Columbus-Sandusky Rd., 2.034 mi., to A. J. Baltes, Norwalk, $7,450. Darke Co., Sect. "Arcanum" Dayton-Greenville Rd., 0.404 mi., brick, to Mannix Bros., Greenville, $21,908. Darke Co., Sect. "Gettysburg" Greenville-Covington Rd., 0.457 mi., brick, to Mannix Bros., Greenville, $15,764. Darke Co., Sect. "Versailles" Versailles-Western Rd., 0.588 mi., to Mannix Bros., Greenville, $31,623. Defiance Co., Sect. "A" Defiance-Holgate Rd., 3.581 mi., rein.-con., to Erman & Seibel, Defiance, $83,803. Defiance Co., Sect. "A" Payne-Hicksville Rd., 2.024 mi., rein.-con., to R. Doaust, Defiance, $53,705. Mahoning Co., Sect. "C" Youngstown-East Liverpoool Rd., 3.33 mi., concrete, to G. A. Gaildini & Co., Youngstown, $96,454. Mercer Co., Sect. "Celina" Celina-Greenville Rd., 0.318 mi., rein.-con., to Hinton, Smalley & Spriggs, Celina, $9,976. Mercer Co., Sects. "E" & "F" Celina-Wabash Rd., 6.005 mi., rein.-con., to R. Doaust, Defiance, $168,916. Shelby Co., Sect. "A-1" Versailles-Sidney Rd., 2.039 mi., brick, to F. E. Milligan, Sidney, $61,772. Noted May 18.

O., Cleveland—Paving Benham Ave., to Baldwin Bros., 4500 Euclid Ave., $26,663; Cecelia and Leopold Aves., to Roehl Bros., West 25th St. and Clark Ave., $33,854. Noted May 18.

O., Columbus—Grading, curbing and paving 912 ft. Chestnut St., asphalt, to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $31,321. Noted May 4.

O., Mingo—Paving North Hill St., vitr. brick, to H. M. Bates, Steubenville, $53,000.

Michigan—State Hy. Dept., Lansing, grading and surfacing 1.335 mi. State Trunk Line Rd. 26-4, Sect. A, Ontonagon Co., to McDonnell & McFarlane, Ontonagon, $30,359; 14.065 mi. State Trunk Line Rd. 25-8, Sects. A, B and C, to J. E. McNicholas, Marenisco, $34,305; 7.424 mi. State Trunk Line Rd. 76-4, Sect. B, Roscommon Co., to Zeller & Drum, Swanton, O., $48,870; 4.106 mi. State Trunk Line Rd. 98-2, Schoolcraft Co., to S. J. Groves Sons Co., 120 Manhattan Bldg., Duluth, Minn., incl. 5.2 acres clearing, $60, 119,444 cu.yd. excav., $0.58, 30 cu.yd. 1:2:4 concrete, $22, 36.4 cu.yd. 1:3:6 concrete, $20, 38,219 sq.yd. waterbound macadam, $0.95, total $52,111; 4.234 mi. State Trunk Line Rd. 13-24, Kalhasha Co., to Remus Constr. Co., Remus, $39,127; 2.016 mi. Federal Aid Project 39, Sect. B, and 5.265 mi. Federal Aid Project 39, Sect. A, Clinton Co., to A. Holtslander, Flint, $33,223 and $81,659 respectively.

Michigan—State Hy. Dept., Lansing, grading and surfacing 2.688 mi. State Trunk Line Rd. 37-6, Kent Co., to A. E. Green, Grand Rapids, $48,992. Noted April 13.

Michigan—State Hy. Dept., Lansing, grading and surfacing 5.983 mi. State Trunk Line Rd. 86-1, Mecosta Co., to Whiting Constr. Co., Grand Rapids, $49.328. Noted April 27.

Mich., Detroit—Paving alleys with one course concrete: To J. Porath, 34 McGraw Bldg., Alley 1430, $955, Alley 1433, $4,419, Alley 1435, $3,148, Alley 1437, $917, Alley 1441, $1,218; T. E. Currie, 20 McGraw Bldg., Alley 1431, $3,872; R. J. Powelson & Co., 6445 Iroquois Ave., Alley 1432, $3,309, Alley 1438, $3,847, Alley 1439, $4,085, Alley 1440, $3,025; Mincel & Zanni, 3144 St. Joseph St., Alley 1434 $758; Otis Cement Constr. Co., 806 Hammond Bldg., Alley 1436, $3,133; paving streets with sheet asphalt, to Detroit Asphalt Paving Co., 20 McGraw Bldg., Beaver St., $4,326, Duncan Ave., $6,269, G.A.R. St., $4,120, LeMay Ave., $26,794, Ogden Ave., $9,603, Renville Ave., $8,752, Reisman Ave., $5,816, John R. St., $86,538; Cleveland Trinidad Paving Co., 402 Hammond Bldg., Clements Ave., $28,837, Geneva Ave., $6,407 Wilson Ave., $3,908; G. R. Cooke, 1260 Penobscot Bldg., Om!ra Ave., $25,896.

Ill., Chicago—Comrs. Cook Co., paving to R. F. Conway, 133 West Washington St., 13,233 ft. Sect. 105-15D, Route 17, Lyons Twp., $50,161, 22,984 ft. Sect. 87-15D, Route 35, Maine, Elk Grove and Wheeling Twps., $99,914, 32,557 ft. Sect. 88-15D, Wheeling and Palatine Twps.; Lorenz & Block, Oak Glen, 8,316 ft. Sect. 157-15D, Route 42, Calumet Twp., $31,428; Ernst Eng. and Constr. Co., 3225 Sunnyside Ave., 6,523 ft. Sect. 109-15D, Route 3A, Maine Twp., $27,321; Summerville-Maier Constr. Co., 1640 Chicago Rd., Chicago Heights, 22,384 ft. Sect. 104-15D, Route 26, Thornton Twp.; Central Paving Co., 139 West Washington St., 5,694 ft. Sects. 99 and 99B, Routes 1 and 46, New Trier and Niles Twps., $48,747; J. Mackler & Co., 2200 Chicago Rd., Chicago Heights, 13,609 ft. Sect. 91-15D, Route 34, Proviso Twp., $53,522. Noted May 18.

Ill., Marengo — Widening and paving Grant Highway, to Federal Paving Co., 133 West Washington St., Chicago, $50,000. Noted May 11.

Ill., Moline—Will pave between rails 8th to 25th Ave., brick on concrete, also new rails and ties, by day labor. R. Benell, Moline, engr.

Wisconsin—State Hy. Comn., Madison, surfacing 48,518 sq.yd. Sturgeon Bay-Forestville and Sturgeon Bay-Ephriam Rd., to L. M. Hanson Co., Green Bay, $33,435 and $49,796 respectively. Former contract rescinded. Noted May 4.

Wisconsin—State Hy. Comn., Madison, gravel surfacing Eagle River-Arbor Vitae Rd., Project 282, Vilas Co., to Wausau Iron Wks., Wausau, $13,795; Rhinelander-Tomahawk Lake Rd., Project 296, Oneida Co., to Kraft & Lange, Merrill, $18,687; Mellen-Upson Rd., Project 1007, Iron Co., to W. Webber, Saxon, $2,454. Brule Bridge on state line between Wisconsin and Michigan, to A. A. Sprogis, Gleason, $6,443. Noted May 4.

Minn., Hastings — Dakota Co., 6.7 mi. State Rd., 24, 94,762 cu.qd. earth and 19,085 cu.yd. rock excav., 186,616 cu.yd. overhaul, to J. J. and M. S. Mergens, 403 Kasota Bldg., Minneapolis, $31,387; monolithic culverts, 290 cu.yd. concrete, 19,293 lb. reinforcing, to A. Beckman Co., Lake City, $4,990. Noted March 23.

Minn., Pine City—Pine Co., Job 2201, State Rd. 6, 60,842 cu.yd. excav., 18,700 cu.yd. overhaul, 8,037 cu.yd. hand ditch, to C. F. Johnson, Center City, $20,007; 18 x 24 ft. rein.-con. bridge, to C. J. Pearson Co., Sandstone, $3,381; 1,018 lin.ft. 12-36 in. corrugated metal culverts, to Lyle Culvert & Road Equipment Co., 171 27th Ave., S. E., Minneapolis. Noted March 30.

Minn., St. James—Watonwan Co., State Aid Rd. 3, 47,000 cu.yd. excav., 59,000 cu.yd. overhaul, 528 lin.ft. 15-24 in. pipe, 782 ft. 12 in. corrugated metal pipe, replace 150 lin.ft., 12 in. corrugated metal pipe, to O. Wenstrom, St. James, $13,000; State Rd. 10, 500 cu.yd. gravel surfacing, to Glasco, Marbin, Clements & Schattenbauer, Redwood Falls, $10,000. Noted April 20.

Minn., South St. Paul—Paving 10,350 ft. Concord St. from Marie Ave. to city limits, brick, to Thornton Bros. Co., 304 Central Bank Bldg., St. Paul, $120,000.

Neb., Lincoln—To Cochrane Constr. Co., 1st Natl. Bank Bldg., paving Q St. from 37th to 44th Sts., Dist. 459, sheet asphalt at $2.74, combination curb and gutter, $0.82, curb $0.50, excav. $0.35, total $28,471, 37th St. from Y to Dudley Sts., Dist. 474, asphaltic concrete $2.42, asphaltic concrete between tracks, $3.40, combination curb and gutter, $0.82, total $4,677; to Abel Constr. Co., Terminal Bldg., paving 22nd St. from Vine to W Sts., Dist. 475, sheet asphalt at $2.71, concrete paving $2.15, combination curb and gutter $0.82, curb $0.50, total $6,339, 26th St. from C to Washington Sts., Dist. 476, asphaltic concrete $2.37, concrete paving $2.15, combination curb and gutter $0.82, curb $0.50, total $8,021. Noted May 4,

Missouri—State Hy. Dept. at div. office Ava, 8.768 mi. road through Ava, State Aid Project 20.153, Douglas Co., to Summerville-Jones Co., Springfield, $36,122. Noted May 18.

Missouri—State Hy. Dept. at div. office Savannah, 8.03 mi. Jefferson Highway, State Aid Project 20,121, Andrew Co., to T. J. Morris & Co., Carmi, Ill., $27,288. Noted May 18.

Missouri—State Hy. Dept. at div. office Steelville, 5.193 mi. road from Steelville to Cherryville, State Aid Project 20.149, Crawford Co., to Birmingham & Jones, St. James, $25,561. Noted May 18.

California—State Hy. Dept., Sacramento, surfacing 8.9 mi. highway between Fairfield and Vacaville, Solano Co., 13,400 ton asphaltic concrete, to California Constr. Co., 58 2nd St., San Francisco, $47,570.

Cal., Fresno—Improving Lane St. beween Olive and Floradora Aves., to California Rd. and Street Impvt. Co., Bank of Italy Bldg., $40,122. Noted April 27.

Streets and Roads (Continued)

Cal., Modesto—Stanislaus Co. concrete paving 2 mi. Dry Creek Rd., to Frederickson & Shannon, Cory Bldg., Fresno, $39,-916.

Industrial Works

PROPOSED WORK

Vt., Brattleboro — Presbey-Leeland Co., Barre, plan cutting plant, here. $100,000. Architect not announced.

. . **N. Y., Binghamton**—Titchener Iron Wks., Inc., 7 Frederick St., plans addition to plant. $35,000-$40,000. L. E. Barnes, secy.

N. Y., Buffalo—Buffalo Genl. Electric Co., 960 Front St., plans 120 x 120 ft. service building, 45 ft. high. $135,000. Architect not announced.

N. Y., Buffalo—E. M. Statler Co. plans 6 story, brick, concrete and steel garage, Delaware Ave. and Mohawk St., to accommodate 800 cars. $300,000-$350,000.

N. Y., Dansville—Livingston Light & Power Co., c/o C. H. Mason, Dansville, plans power plants, here, West Sparta and Ossian. To exceed $50,000.

N. Y., Hamburg—Making plans for new pumping station, $70,000-$80,000; extending water supply system, $15,000-$20,000. H. W. Fitzgerald, village pres. Noted March 2.

N. Y., New York—New York Times, Times Sq., soon takes bids 11 story, 100 x 143 ft. printing plant and office building, brick, steel and stone, plain foundation, 217 West 43rd St. Ludlow & Peabody, 101 Park Ave., archts. and engrs. Noted Jan. 5.

N. Y., Utica—McLoughlin Textile Corp. plans brick, concrete and steel factory and warehouse, 614 Broad St. $40,000-$50,000.

N. Y., Waverly—Philadelphia Battery Co. having plans prepared by C. W. Smith, archt., Waverly, 3 story, steel and tile factory, Fulton St. $40,000-$50,000.

N. J., Camden—A. B. Gill, archt., Law Bldg., soon takes bids 2 story, 61 x 147 ft., brick and steel garage and service station, plain foundation, Federal St. $50,000. Owner's name withheld.

Pa., Newton Falls—Newton Steel Co., Newton Falls, having plans prepared 6 steel mills. $750,000. Engineer not announced.

W. Va., Bluefield—Amicon Fruit Co. plans 6 story, cold storage plant. Cost including equipment, etc., $250,000. H. Charlton, pres. and gen. mgr. Architect not selected.

N. C., Goldsboro—Utility Mfg. Co., plans to rebuild veneering plant, recently destroyed by fire. Loss $200,000. J. L. Borden, pres.

O., Akron—Northern Ohio Traction & Light Co., North Main St., plans additions to power and light plant. $175,000.

O., Cleveland—Champion Rivet Co., East 108th St. and Harvard Ave., plans 1 story, brick and steel factory addition, Dunham Rd. $50,000. D. J. Champion, pres. Architect not selected.

O., Warren—Youngstown Steel Co., Stambaugh Bldg., Youngstown, plans steel mill, Gibbons Farm near North Mahoning Ave., here. $100,000-$150,000. Architect not announced.

Ind., South Bend—Studebaker Corp., Main and Bronson Sts., having plans prepared by A. Kahn, archt., Marquette Bldg., Detroit, Mich., 4 story, 100 x 600 ft., brick warehouse. $400,000. Noted May 11.

Mich., Detroit—Fisher Body Co., General Motors Bldg., having plans prepared by A. Kahn, archt., 1000 Marquette Bldg., 6 story, 102 x 979 ft. rein.-con. and brick factory, wood pile foundation, Fort St.

Mich., Kalamazoo—Kalamazoo Vegetable Parchment Co., River Rd., having plans prepared by Billingham & Cobb, archts., Press Blk., for 4 story, rein.-con., brick and steel addition to factory, plain foundation. $500,000.

Wis., Pulaski—Badger Cabinet Co. plans 2 story, 50 x 100 ft. rein.-con., brick and steel factory, here. $55,000. G. W. Brickbauer, Plymouth, pres. Architect not selected.

Wis., Waupun—F. N. Pettigrew, Fox Lake, plans 2 story, 70 x 120 ft. rein.-con., brick and steel factory, plain foundation, here. $50,000. Architect not selected.

Minn., South St. Paul—R. N. Katz Packing Co., South St. Paul, and 352 East 6th St., St. Paul, having plans prepared by Henschien & McLaren, archts., 37 West Van Buren St., Chicago, 3 story, 50 x 130 ft. plant and 1 story, 34 x 36 ft. office, rein.-con., brick, tile and steel. $100,000.

Tex., Austin—Woodward Mfg. Co. plans to issue $200,000 bonds for rebuilding and enlarging plant recently destroyed by tornado. S. Sparks, vice-pres.

ROAD WORK—DELAWARE

Bids were opened by State Highway Dept., Dover, Apr. 26, (lowest three) for 5.137 mi. road from Glasgow to Bear, Contr. C-N 6, from (A) D. E. O'Connell & Son, Ridley Park, Pa.; (B) Benjamin Franklin, Jr., Crozer Bldg., Philadelphia; (C) A. Mignatti, 321 Duncannon St., Philadelphia. The unit bids were as follows:

	A	B	C
23,000 cu.yd. excavation	$0.70	$0.80	$0.81
2,300 cu.yd. borrow	.80	.75	.94
300 tons stone base	3.95	4.00	4.05
9,820 cu.yd. concrete pavement	11.95	12.10	12.10
280 cu.yd. Class A concrete	21.00	20.00	20.25
70 cu.yd. Class B concrete	19.00	20.00	18.75
18,500 lb. reinforcement	.06	.06	.05
460 lin.ft. 15-in. rein. con. pipe	2.10	2.00	2.00
388 lin.ft. 18-in. rein. con. pipe	3.00	2.50	2.50
28 lin.ft. 24-in. rein. con. pipe	4.50	4.00	3.80
300 lin.ft. relaid pipe	.75	1.00	1.00
800 sq.yd. concrete gutter	1.80	2.00	1.90
500 lin.ft. guard rail	.20	.30	.20
Extended totals	$148,815	$152,309	$152,652

ROAD WORK—DELAWARE

Bids were opened by State Highway Dept., Dover, Apr. 26, (lowest three) for 3.33 mi. Cokesbury-Coverdale Cross Rds., Contr. CS-17, from (A) Benjamin Franklin, Jr., Crozer Bldg., Philadelphia; (B) Field, Barker & Underwood, Commercial Trust Bldg., Philadelphia; (C) Fish Bros., Elk Mills, Md. The unit bids were as follows:

	A	B	C
11,000 cu.yd. excavation	$0.75	$0.73	$0.80
9,000 cu.yd. borrow	.75	.73	1.00
100 tons stone base	5.00	5.00	4.00
4,800 cu.yd. concrete pavement	14.40	15.50	14.50
320 cu.yd. Class A concrete	25.00	27.00	30.00
150 cu.yd. Class B concrete	22.00	27.50	29.00
20,000 lb. reinforcement	.07	.08	.08
24,000 lb. structural steel	.07	.07	.08
220 lin.ft. 15-in. rein. con. pipe	2.50	2.50	2.00
224 lin.ft. 18-in. rein. con. pipe	3.00	3.00	2.50
100 lin.ft. relaid pipe	1.00	1.00	1.50
1,850 lin.ft. guard rail	.30	.25	.40
1,800 lin.ft. timber piles	1.75	1.50	2.00
2,000 ft. b.m. sheet piling	100.00	160.00	200.00
Extended totals	$104,227	$110,350	$111,160

Cal., San Francisco—Lyon Fireproof Warehouses, 8430 Bway., Oakland, having plans prepared by A. Knowles, archt., Hearst Bldg., 8 story, rein.-con. warehouse, Van Ness and McIllister Sts. $200,000.

Cal., San Jose—Powers and Ahnden, archts., 460 Montgomery St., San Francisco, preparing plans 60 x 314 ft., rein.-con. garage. Owner's name withheld.

Ont., Kitchener—R. Kleinschmidt, Frederick St., plans garage and auto repair shop. $40,000.

BIDS DESIRED

N. Y., Marcy—June 7, by State Hospital Comn., Albany, refrigeration work—kitchen for acute patients building; refrigeration work—storehouse and cold storage building, at Utica State Hospital, Marcy Division, here. L. F. Pilcher, state archt.; adv. this issue.

N. Y., New York—May 29, by G. H. Whalen, comr. Plant & Structures, Municipal Bldg., housing station and destructor, at 56th St. and 12th Ave., for Dept. Street Cleaning.

N. Y., New York—June 5, by Transit Comn., 49 Lafayette St., 2nd addition to existing shops at Lenox Ave and 148th St. G. McAneny, chn.

D. C., Wash.—Power House—June 5, by Dist. Comrs., Dist. Bldg., power house complete incl. mechanical equipment, etc. at Gallinger Hospital, 19th and Massachusetts Ave., S. E.; adv. this issue.

Pa., Greenville—Du Roth Steel Truck Co. receiving bids brick and steel factory, Osgood St. $50,000. Private plans.

Pa., Holmesburg (Phila. P. O.)—June 2, by Tilden & Register, archts., 1525 Locust St., 2 story, 40 x 150 ft. rein.-con. and brick factory, plain foundation. $40,000. Owners name withheld.

Pa., Washington—May 29, by W. L. Stoddart, archt. and engr., 9 East 40th St., New York, brick, concrete and steel plant, here, for Observer Publishing Co. $200,000. Noted March 23.

N. C., Greensboro—See "Dam."

O., Youngstown—Crystal Ice Co., West Rayen Ave., taking bids and opens same about June 5, 1 story, 24 x 50 ft. and 40 x 40 ft., ice storage and condenser building, brick and steel. $50,000. A. C. Bishop & Co., Guardian Bldg., Cleveland, archts.

Mich., Saulte Ste Marie—Cadillac Lumber & Chemical Co. receiving bids for structural steel for 1 story, 93 x 275 ft. and 110 x 116 ft. concrete and steel mill, plain foundation. $250,000. E. C. Hall, 221 Grand Ave., Milwaukee, Wis., engr. Noted May 4.

Ill., Chicago—R. F. France, archt., 155 North Clark St., receiving bids 1 story, 110 x 200 ft. garage, 247-78 North Clark St., for K. R. Beak Co., 193 North Clark St. $40,000.

Ill., Chicago—Holton-Seeley Co., 140 South Dearborn St., receiving bids 2 story, 125 x 161 ft. garage, rein.-con., brick and steel, 616-24 Dewey Pl. $50,000. L. E. Russell, 25 North Dearborn St., archt.

Wis., Kenosha—Buick Garage, 915 Salem Ave., taking bids 1 story, 50 x 125 ft., brick and concrete addition to garage, plain foundation, Salem Ave. $40,000. Private plans.

Wis., Madison—J. Peterson, 102 South Orchard St., and W. P. Schneider, archt., 401 West Doty St., taking bids 1 story, 114 x 117 ft., brick and rein.-con. garage and repair shop, Monroe St. $50,000.

Wis., Madison—E. Tough, archt., 24 East Mifflin St., taking bids, 2 story, 85 x 132 ft. ice cream and milk factory, brick, rein.-con. and steel, plain foundation, for Kennedy Dairy Co., 618 University Ave. $80,000. Noted Feb. 16.

Wis., Mellen—Universal Toy & Novelty Mfg. Co. taking bids 1 story, 100 x 152 ft. factory. $40,000. J. R. and E. J. Law, Strand Theater Bldg., Madison, archts.

Cal., Vallejo—Western Die Casting Co., 2927 Newbury St., Berkeley, receiving bids 1 story, 125 x 162 ft., rein.-con. factory, Napa St., here. C. E. Perry, Jr., 514 Marin St., archt. Noted May 11.

Ont., Bowmanville—Thomson Knitting Co., Bowmanville, receiving bids for factory. $100,000.

Ont., Galt—May 31, by G. Dobbie, Ainslee St., 3 story, 86 x 86 ft. concrete, brick and steel factory, Ainslee St. S., for Newlands & Co., Ainslee St. $50,000.

Ont., Welland—May 29, by J. D. Payne, supt. Empire Cotton Mills, Welland, 1 story, 125 x 248 ft. concrete, brick and steel mill. $200,000. Lockwood, Greene & Co., 285 Beaver Hall Hill, Montreal, Que., engrs. and archts. Noted April 27.

BIDS RECEIVED

Va., Norfolk—Lowenberg-Goodman Corp., 127 Granby St., opened bids May 11, 1 story 91 x 305 ft., brick and concrete, Granby and 11th Sts., from Johnson Constr. Co., Law Bldg. $194,000; Gooch-Williams Co., Norfolk, $214,500; Harwood & Moss, Norfolk, $214,700. Noted April 27.

CONTRACTS AWARDED

Mass., Cambridge—Simplex Wire and Cable Co., brick, steel and concrete addition to factory, to Stone & Webster, 120 Bway., New York. $100,000.

Mass., Springfield—E. J. Pinney, Inc., 374 Main St., will build 1 story, 100 x 100 ft. rein.-con., brick and steel garage, Main St., by day labor. $40,000.

R. I., Anthony—The Coventry Co. 2 story, 60 x 100 ft. brick and cement addition to

Industrial Works (Continued)

machine shop, plain foundation, to J. F. McCusker, 5 Lamphear St., Phenix, R. I. $40,000.

Conn., Hartford—Capitol City Glass Co., Chapel St., 2 story, 40 x 150 ft. brick and timber factory addition, to Industrial Constr. Co., 721 Main St., $40,000. Noted May 18.

Conn., New Britain — C. D. Ventiano, Church St., 2 story, 40 x 100 ft. brick and steel garage and service station, Church St., to L. C. Baker, Brighton St.

Conn., Springdale—Segal Metal Products Co., 1 story, 40 x 45 ft. brick and steel foundry extension, and 3 story, 30 x 120 ft. brick and timber machine shop, to T. J. Pardy Constr. Co., Bridgeport. Noted May 11.

N. Y., Brooklyn—Williamsburg Holding Co., c/o P. Steigman, archt. and engr., 26 Court St., 5 story, brick, steel and concrete factory, plain foundation, South 5th St., to Commonwealth Eng. Corp., 103 Park Ave., New York. $125,000.

N. Y., Jamestown—S. B. Robbins, 315 West 5th St., 2 story, 80 x 80 ft., brick and concrete garage and shop, 4th and Lafayette Sts., to C. Haas, 10th and Monroe Sts. $40,000.

O., Cleveland—D. S. Blossom, c/o A. Garfield, archt., Natl. City Bldg., 2 story, brick and steel garage and service station, Richmond Rd., to Craig-Curtis Co., Cook Bldg., $50,000.

O., Cleveland—Kirk-Latty Co., 1971 West 85th St., 1 story, 41 x 44 ft., brick and steel boiler house, to J. J. Cassidy, 9718 Baltic Rd., $40,000.

O., Cleveland—Ohio Provision Co., West 61st St. and Clark Ave., 1 story, 58 x 60 ft., brick and steel boiler house, Clark Ave. along tracks of Cleveland, Cincinnati, Chicago & St. Louis R.R., to W. I. Thompson & Son Co., 5103 Euclid Ave., $40,000.

O., Cleveland—Stone Impvt. Co., Kirby Bldg., 1 story, 42 x 149 ft., brick and steel garage, plain foundation, East 83rd St. and Carnegie Ave., to Simon Constr. Co., Parkgate Ave., $45,000.

O., Massillon—W. E. Wagner, 2 story, 48 x 105 ft., brick and steel garage, to J. Meinhardt Constr. Co., Massillon, $50,000. Noted March 23.

Ia., Cedar Rapids—Metropolitan Supply Co., 1 story factory, containing 25,000 sq.ft. floor space, brick and concrete, to Loomis Bros., (archts. and builders), 319 South 3rd Ave. $50,000.

Cal., San Francisco—D. Ghiradelli Co., North Point St. between Larkin and Polk Sts., 2 story, brick and steel addition to warehouse, North Point St., to H. L. Peterson, Lick Bldg., $58,000. Noted May 18.

Ont., Niagara Falls—Canadian Shredded Wheat Co., 2 storage buildings, concrete, to Monarch Eng. Co., Chamber of Commerce Bldg., Buffalo, N Y., $150,000.

Buildings

PROPOSED WORK

Mass., Boston — Mercantile — Traders Realty Trust, c/o B. Brown, engr., 88 Broad St., having plans prepared for 11 story, rein.-con. and brick, Kneeland St. and Harrison Ave. $500,000.

Mass., West Springfield—High School—Plans 3 story, brick and concrete, Elm St. $350,000. C. G. Loring, 7 Water St., Boston, archt. Noted Dec. 29.

R. I., Pawtucket—Church—Church of Our Lady of Consolation Roman Catholic Parish, Sabin St., having plans prepared by A. J. Murphy, archt., 146 Westminster St., Providence, 1 story, brick and stone, Sabin and Webster Sts. $150,000.

N. Y., Brooklyn—Bank—South Brooklyn Savings Institute, Atlantic Ave., soon takes bids brick, steel and stone, plain foundation, Court St. and Atlantic Ave. $500,000. McKenzie, Voorhies & Gmelin, 342 Madison Ave., New York, archts. and engrs. Noted Jan. 12.

N. Y., Cornwall-on-Hudson—School—Bd. Educ. soon takes bids brick and stone, plain foundation. $150,000. Tooker & Marsh, 101 Park Ave., New York, archts. and engrs. Noted April 12.

N. Y., Elmira—Business—J. J. Hassett, 214 East Water St., plans 3 story, 204-208 Water St. $160,000-$170,000.

N. Y., New York—Office—See "Industrial Works."

N. Y., New York—Synagogue—Congregation Tifferith Israel, c/o E. Roth, archt. and engr., 119 West 40th St., having plans prepared 3 story, 118 x 130 ft. brick and stone, plain foundation, Valentine Ave. near Fordham Rd. $250,000.

N. Y., Perry—Hotel—J. T. Grieves and associates plan hotel. $150,000. Architect not announced.

N. Y., Schenectady—Church—St. Peters Italian Episcopal Church plans new church. $150,000-$175,000. J. S. Matrazzo, 102 Park Pl., chn. building com.

N. Y., Utica—Business—A. and H. H. Shapiro, 426 Whitesboro St., plans business block to replace Nicotera Bldg., 537 Bleecker St., recently destroyed by fire. $150,000-$200,000.

N. Y., Utica—Schools—Bd. Educ. having plans prepared by L. Kinne, archt., Mayro Bldg., and W. G. Frank, archts., Clarendon Bldg., for McQuade Ave. and Blaikie Schools. $300,000

Pa., Johnstown—Theatre—Schubert Theatre Co. soon receives bids 2 story, 85 x 135 ft. brick, steel and stone, plain foundation, Franklin and Vine Sts. $500,000. H. J. Krapp, 114 East 16th St., New York, archt. and engr.

Fla., Miami—Apartment—N. L. Stevenson, et al., having plans prepared by Hampton & Reinert, archts., Miami, and soon takes bids 6 story, 70 x 80 ft., rein.-con. and steel, Ft. Dallas Park. $500,000.

O., East Cleveland (Cleveland P. O.)—Apartment—R. A. Stillwell, 2166 St. James Parkway, Cleveland ,had plans prepared by H. W. Grieme, archt., Lennox Bldg., Cleveland, 3 story, 86 x 117 ft., brick and steel, plain foundation, Taylorhurst allotment, here. $150,000.

O., Logan—Court House—August 8, to vote on $250,000 bonds for new court house.

O., Youngstown—Church—Westminster Presbyterian Church, Market and Front Sts., plans 5 story, brick addition. $200,000. Architect not announced.

Ind., Evansville—School—Bd. Educ. plans 2 story, brick and stone. $150,000. J. C. Llewellyn, 38 South Dearborn St., Chicago, archt.

Ind., Ft. Wayne—Lodge—Knights of Columbus plan 3 story, brick. $150,000. C. Weatherhogg, Citizens Trust, archt.

Ind., Goshen—Hotel—Wawasee Hotel Co. having plans prepared by A. M. Strauss, archt., Schoaff Bldg., Ft. Wayne, 3 story, 70 x 160 ft., brick. $150,000.

Ind., Indianapolis—Restaurant—J. R. Thompson Co., c/o Vonnegut, Bohn & Muellen, archts., Indiana Trust Bldg., having plans prepared 2 story, 44 x 120 ft. brick and terra cotta, North Illinois St. $150,000.

Ind., Marion—Hotel—Spencer Hotel Co. had revised plans prepared by Vonnegut, Bohn & Mueller, archts., Indiana Trust Bldg., Indianapolis, 6 story, 60 x 60 ft. brick, stone and terra cotta. $450,000.

Ind., Rome City—Hotel—J. J. Pauley, 1516 East Wayne St., plans 3 story, brick. $150,000. Architect not selected.

Mich., Detroit — Office — G. G. Epstean, 311 Moffatt Bldg., having plans prepared by C. H. Crane, archt., Huron Bldg., Griswold St., 14 story, 168 x 177 ft. rein.-con., brick and steel, caisson foundation, Shelby St. and Michigan Ave. $2,500,000.

Ill., Chicago—Apartment—N. M. Dunning, archt., 310 South Wabash Ave., soon receives bids 8 story, 50 x 171 ft., rein.-con., brick and steel, South Shore Dr., $450,000. Owner's name withheld.

Ill., Chicago—Apartment—Koenigsberg & Weisfeld, archts., 5 North La Salle St., soon receive bids 3 story, 100 x 125 ft., rein.-con., brick and steel, Kenmore and Winona Aves. $200,000. Owner's name withheld.

Ill., Chicago—Sales—Fries-Malwitz Motor Co., 4001 Irving Park Blvd., having plans prepared by J. Jensen, archt., 4915 North Lawndale Ave., 2 story, 122 x 217 ft., rein.-con., brick and steel, Irving Park Blvd. near Keeler Ave. $300,000.

Wis., Oshkosh—Convent, etc.—E. Brielmaier & Sons Co., archts., 432 Bway., Milwaukee, takes bids about June 8, 3 story, 40 x 100 ft. convent and 2 story, 40 x 70 ft., boiler house and laundry, brick and concrete, plain foundations, at Mercy Hospital, 185 Hazel St. $150,000.

Wis., Plymouth—Hotel—J. E. Curtis plans 3 story, 80 x 140 ft. rein.-con., brick and steel. $150,000. E. A. Juul, Imig Bldg., Sheboygan, archt.

Wis., Racine—Lodge and Commercial—Knights of Columbus, Lodge 697, c/o A. J. Weber, 1600 Racine St., plans 3 story, 42 x 116 ft. concrete and brick, plain foundation, Main St. $150,000. Private plans.

Ia., Ames—Memorial—Iowa State College conducting campaign to raise $1,000,000 for memorial building on campus. R. A. Pearson, pres.

Minn., St. Paul—High School—Dept. Educ. had plans prepared by C. A. Hausler, archt., City Hall, 3 story, 150 x 250 ft. school and 2 story, 48 x 90 ft. gymnasium and auditorium, rein.-con., brick, tile and stone, Isabel Ave. and Congress St. $420,000.

Kan., Wichita—School—Voted $1,000,000 bonds for school improvements, $800,000 of which is to be used for High School. Address Secretary Bd. Educ.

Mo., St. Louis—Temple—Masonic Temple Assn. having plans prepared for 5 story and mezzanine, brick, steel, stone and concrete, plain foundation, Lindell Blvd. $2,500,000. K. M. Vetsburg, chn. building com. A. B. Groves, 314 North 4th St. and T. C. Young, Wainright Bldg., associated archts. H. G. Clymer, Wainright Bldg., E. Friton and E. F. Nolte, advisory archts.

Tex., Houston—Hospital—Voted $100,000 bonds (city's share) toward hospital, to be built by city and Harris Co. O. F. Holcombe, mayor. C. H. Bryan, co. judge. Noted April 13.

Tex., Waco—Bank and office—Liberty Natl. Bank plans 8 story bank, Austin and Capital Sts. $500,000. B. D. Easterwood, 412 Praetorian Bldg., archt.

Cal., Gilroy—Schools—Gilroy School Dist. having plans prepared by Wyckoff & White, archts., Growers Bank Bldg., San Jose, and soon takes bids for 2 schools. $150,000.

Cal., Los Angeles—Hotel—W. F. Bowen, archt., 813 Union League Bldg., preparing plans 3 story, 120 x 123 ft., rein.-con. and steel, rein.-con. foundation, 9th and Pacific Ave. $175,000. Owner's name withheld.

Cal., San Francisco—Hotel and Store—Republic Eng. Co., 1040 Lake St., having plans prepared by W. Beasley, archt., 1040 Lake St., 4 story, rein.-con., on 100 x 300 ft. site, 49th Ave. and Cabrillo St. $150,000.

Cal., San Francisco—Office and Store—Providence Securities Co., c/o W. Polk & Co., archts., Hobart Bldg., had plans prepared 7 story, rein.-con., Market St. near Sansome St. $250,000.

Cal., San Francisco—Theatre and Hotel—A. F. Rousseau, 110 Sutter St., having plans prepared by Meyer & Johnson, archts., Bankers Investment Bldg., 10 story, Market St. near 8th St. $1,250,000.

BIDS DESIRED

Conn., New Haven—Forestry School—June 3, by Yale University, 3 story, 100 x 150 ft. brick, concrete and steel. $300,000. Delano & Aldrich, 126 East 28th St., New York, archts. Noted Nov. 3.

Conn., Waterbury—Y. M. C. A., 136 West Main St., taking bids 4 story, rein.-con., brick, stone and steel, West Main St. $400,000. R. H. Dana, Jr., 350 Madison Ave., New York, archt. Noted Jan. 19.

N. Y., Batavia—High School—June 12, (change of date), by Bd. Educ., 3 story, 144 x 200 ft., brick and steel, Ross St. $450,000. E. E. Joralemon, 483 Delaware Ave., Buffalo, archt. Noted April 20.

N. Y., Elmira Heights—School—June 1, by Bd. Educ., new school. $150,000-$160,000. H. M. Haskell, 620 Hulett Bldg., Elmira, archt.

N. Y., Maspeth (Flushing P. O.) — School—June 5, by C. B. J. Snyder, supt. School Buildings of Bd. Educ. of New York, Flatbush Ave. and Concord St., Brooklyn, addition to P. S. 72, Maspeth Ave. and Broad St., here. Noted Sept. 1.

N. Y., New York—Apartment—Lapidus Eng. Corp., 17 West 42nd St., 11 story, brick, steel and stone, plain foundation, 23-25 West 64th St. $500,000. Work will be done by separate contracts (owner will do general work).

N. Y., New York—Hotel—G. Dose Eng. Co., 565 5th Ave., 18 story brick, steel and stone, plain foundation, Bway. and 71st St. $3,000,000. Work will be done by separate contracts (owner will do general work.) Maynick & Franke, 25 East 26th St., archts. and engrs.

N. Y., Riverhead—High School—June 26, by Bd. Educ., brick, steel and stone, plain foundation. $250,000. Tooker & Marsh, 101 Park Ave., New York, archts. and engrs. Noted Feb. 16.

N. J., Vineland—Hospital—Stearn & Woodnut, archts., Stephen Girard Bldg., Phila., taking bids 50 room, brick and steel, plain foundation, State and Howard Sts., here, for Vineland Hospital Assn. $150,000. Noted Feb. 9.

Pa., Johnstown—Bank and Office—U. S. Natl. Bank, will build 14 story, 60 x 110 ft. brick, steel and stone, plain foundation, Franklin St. $750,000. Work will be done by separate contract. Dennison & Hirons, 475 5th Ave., New York, archts. and engrs. Noted April 20.

Pa., Nazareth—School—June 15, by Bd. Educ., brick, steel and stone, plain foundation. $160,000. Rasmussen & Wayland, 252 West 46th St., New York, archts. and engrs.

N. C., Reidsville—High School—May 31, by Bd. Educ., brick. $150,000. W. S. Sommers, secy. W. C. Northup, Winston-Salem, archt.

N. C., Vanceboro—High School—June 1, by Bd. Trustees, brick. $150,000. W. C. Winslow, chn. Bd. Trustees. G. Lloyd Preacher & Co., Healy Bldg., Atlanta, Ga., archts.

Fla., Miami—Church and Sunday School—June 15, by Church of the Holy Name, 3

Buildings (Continued)

story, rein.-con., plain foundation. $300,000. O. J. Williams, Miami, archt.

Ky., Ashland—Bank—June 15, by Schenck & Williams, archts., 908 Mutual Home Bldg., Dayton, O., 11 story, 100 x 100 ft., 16th and Winchester Sts., for Ashland Natl. Bank. $250,000.

O., Cambridge—School—June 8, by Bd. Educ., 2 story, brick and concrete. $200,000. F. L. Packard, New Hayden Bldg., Columbus, archt. Noted May 18.

O., East Cleveland (Cleveland P. O.)—Apartment—June 2, by N. Rosenberger, 604 Marshall Bldg., Cleveland, 3 story, 106 x 142 ft., brick and steel, Page Ave., here. $150,000. A. F. Janowitz, Permanent Bldg., Cleveland, archt.

O., Granville—Hotel—June 3, by J. S. Jones, 2 story, stone, Main St., to be known as Granville Inn. $175,000. F. L. Packard, New Hayden Bldg., Columbus, archt.

O., Ironton—Bank and Office—June 1, by O. D. Hayes, cashier First Natl. Bank, 6 story, 100 x 120 ft., brick, steel and concrete. $175,000. F. L. Packard, New Hayden Bldg., Columbus, archt. Noted May 4.

O., Millersburg—High School—June 1, by W. A. Miller, clk. Bd. Educ., 2 story, 100 x 144 ft., brick, steel and concrete. $165,000. V. Redding, Mansfield, archt.

O., Oak Hill—Grade and High School—June 19, by Bd. Educ., 2 story, 100 x 125 ft., brick and concrete. $150,000. R. Murray, Masonic Bldg., Ironton, archt.

O., Springfield—High School—June 9, by Bd. Educ., 2 story, high school. $300,000. A. Findt, Springfield, archt.

O., Wickliffe—School—June 10, by Bd. Educ., 2 story, 12 room, brick, steel and concrete. $150,000. Knox & Elliot, Engineers Bldg., Cleveland, archts. Noted May 18.

Ind., Decatur—Hospital—June 16 by A. J. Smith, 2 story, 85 x 110 ft. brick and rein.-con. $150,000. O. Hoffman, South Bend, archt.

Ind., Julietta—Hospital—June 9, by Comrs. Marion Co., (Indianapolis), 2 story, 85 x 125 ft., brick. $150,000. E. E. Dunlap Co., State Life Bldg., Indianapolis, archts. Noted March 17, 1921.

Ind., Newcastle—Bank—May 30 (change of date), by Farmers Natl. Bank, 2 story, 40 x 115 ft., brick, stone and marble. $150,000. McGuire & Shook, Pythian Bldg., Indianapolis, archts. Noted Jan. 26.

Ind., Whiting—Community House—Shattuck & Layer, archts., 19 South La Salle, Chicago, receiving bids 2 story, 140 x 260 ft., Short and Clark Sts., for Standard Oil Co. $500,000.

Ind., Newcastle—High School—May 29, by Bd. Educ., 2 story, 95 x 125 ft. brick. $246,000. H. Foltz, Lemcke Annex, Indianapolis, archt.

Ill., Chicago—Apartment—J. A. Baker, 4701 West End Ave., receiving bids 3 story, 130 x 145 ft., rein.-con., brick and steel, Fulton St. and Austin Blvd. $210,000. A. C. Hecht, 155 North Clark St., archt.

Ill., Chicago — Apartment — Rissman & Hirschfield, archts., 139 North Clark St., receiving bids 2 story, 125 x 142 ft., rein.-con., brick and steel, Everett and 55th Sts., for M. J. Goldstein, c/o architects. $225,000. Noted May 4.

Ill., Chicago—Apartment—K. W. Hogberg, 2423 Eastwood Ave., receiving bids 3 story, 105 x 125 ft., rein.-con., brick and steel, Wallen Ave. near Clark St. $150,000. P. F. Olsen, 127 North Dearborn St., archt.

Ill., Chicago—Apartment—Harris & Jillson, archts., 190 North State St., receiving bids 3 story, 44 x 300 ft., rein.-con., brick and steel, 1346-1402 Jarvis Ave., for F. B. McGough, 1402 Jarvis Ave. $200,000.

Ill., Chicago—Apartment—K. Prockauer, archt., 109 North Dearborn St., receiving bids 3 story, 132 x 150 ft., rein.-con., brick and steel, Winchester and Winona Aves., for W. J. McGarigle, 5111 Winchester Ave. $200,000.

Wis., Beaver Dam—High School—June 2, by Bd. Educ., 2 story, 110 x 200 ft., brick, concrete and tile, plain foundation. $185,000. Parkinson & Dockendorff, Linker Bldg., Milwaukee, archts.

Wis., Mazomanie—High School—June 6, (change of date) by Balch & Lippert, archts., Gay Bldg., Madison 2 story, 69 x 105 ft., brick, rein.-con. and steel, plain foundation. $150,000. Noted May 11.

Wis., Sparta—High School—June 5, by School Bd., 2 story, 70 x 198 ft. and 60 x 80 ft., brick, tile and concrete, plain foundation. $250,000. Parkinson & Dockendorff, Linker Bldg., La Crosse, archts.

Ia., Chariton—High School—June 13, by Bd. Educ., 3 story, rein.-con., brick, tile and stone. $185,000. W. Gordon, 319 Hubbell Bldg., Des Moines, archt. Noted Sept. 1.

Wyo., Worland—Reformatory—State Bd. Charities, Cheyenne, receiving bids 3 story, 200 x 300 ft., reformatory, at State Industrial Farm, here. $190,000. W. Dubois, Hynds Bldg., Cheyenne, archt.

Cal., Napa — High School — June 5, by Trustees of Napa Union High School Dist., rein.-con. high school. $260,000. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted Feb. 16.

Cal., Sacramento—Bank—Bank of Italy, Powell and Eddy Sts., San Francisco, receiving bids 1 story, 6th and K Sts., here. $300,000. G. C. Sellon & Co., Mitau Bldg., archts. Noted April 6.

Cal., San Francisco—School—May 31, by Bd. Pub. Wks., rein.-con. school, South Grove St. between Clayton and Cole Sts., for City and San Francisco Co. $150,000. J. Reid, Jr., City Hall, city archt.

Ont., Ottawa—Hospital—May 30, by H. H. Lett, city clk., main building and power house. Bids June 1, building for female help, all rein.-con., brick and steel, Carling and Parkdale Aves. Total $2,500,000. Stevens & Lee, 62 Charles St., Toronto, archts.

BIDS RECEIVED

Mass., Palmer—High School—C. H. Hobson, chn. High School Com., 2 story, 100 x 150 ft. brick and steel, plain foundation, Main St., from H. P. Cummings Constr. Co., 14 Prospect St., Ware, $149,587; L. S. Wood, 14 Stockbridge St., Springfield, $153,585; E. J. Pinney, Inc., 374 Main St., Springfield, $157,000. Noted May 4.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, opened bids May 15, P. S. 135, 5 story, brick, steel and stone, plain foundation, Linden Ave., here, from J. MacArthur Co., 22 Ormond Pl., $422,941; P. J. Brennan & Son, 624 Madison Ave., New York, $428,900; Putnam Constr. Co., 303 5th Ave., New York, $432,000. Noted May 11.

O., Xenia—Dormitory—Wilberforce University opened bids May 9, 4 story, 150 x 200 ft., on campus, from D. W. McGrath & Sons, 255 East Broad St., Columbus. Noted April 27.

Minn., Glen Lake (Hopkins P. O.)—Sanitorium—Hennepin Co. Sanitorium Comn., c/o E. S. Mariatte, secy., Glen Lake Sanitorium, Hopkins, opened bids two 3 story, 37 x 140 ft. infirmaries, also dining hall, employees building, nurses home and three dwelling houses, each 2 story, brick and tile, from Pike & Cook, 416 South 5th St., Minneapolis, $973,544; C. F. Haglin & Sons Co., 226 Lumber Exchange, Minneapolis, $1,049,747. J. C. Nelson & Son, 915 N. E. Bway., Minneapolis, $1,100,800.

Ia., Davenport—Library—Bd. Library Trustees, altering and building addition, brick and tile, from J. Soller & Son, 337 Masonic Temple, $145,417.

Cal., Stockton—School—Constructing 2 story, brick and concrete, general contract from O. H. Chain, Farmers and Merchants Natl. Bank Bldg., $136,713; W. Reed, c/o Builders Exchange, $138,356; Brown & Stafford, Madera, $139,000. Noted Jan. 12.

CONTRACTS AWARDED

Mass., Boston — Hotel — The Bostonian Inc., 75 State St., 10 story, brick, steel and stone, plain foundation, Arlington and James Sts., to Boyle-Robertson Constr. Co., 601 Evans Bldg., Wash., D. C. $5,000,000. Noted Dec. 22.

Mass., Chicopee—Church—Church of the Assumption, 104 Springfield St., 1 story, 65 x 170 ft. brick, steel and stone, plain foundation, Springfield and Chapman Sts., to J. G. Roy & Sons Co., 21 Silver St., Springfield. Noted Jan. 19.

Conn., Bridgeport—School and Convent—Church of the Blessed Sacrament, 275 Union Ave., 3 story, 80 x 120 ft., brick, stone and steel school, and 2 story, brick and timber convent, Union Ave., to M. Noonan, 171 6th St., Bridgeport, $175,000. Noted May 11.

Conn., New Haven—Store—Starrett & Van Vleck, archts. and engrs., 8 West 40th St., New York, 5 story, 70 x 130 ft. rein.-con., brick, steel and stone, on Chapel St., to Larkin-Carey Co., 166 Brewery St., for E. Malley Co., 898 Chapel St. $450,000. Noted April 27.

Conn., Waterbury—School—School Bd., 2 story, brick and steel, to O. La Croix Constr. Co., 95 Bank St., $165,000.

N. Y., Medina—Schools—Bd. Educ. general contract for Catherine St. High School, to Snyder & Gillette, Niagara Falls, $264,840; Ensign Ave. Grade School, to J. W. Cowper Co., Fidelity Bldg., Buffalo, $46,250.

N. Y., New York—Apartment—J. Quigsbet, c/o C. C. Clark, archt. and engr., 441 East Tremont Ave., 5 story, brick, steel and stone, University Ave., by day labor. $150,000.

N. Y., New York—Bank and Office—New York Cotton Exch., 107-111 Hanover Sq., 23 story, 90 x 115 ft. brick, steel and stone, Hanover Sq., to G. A. Fuller Co., 949 Bway., $2,250,060. Noted Dec. 8.

N. J., Atlantic City—Exchange—Bell Telephone Co., Phila., 3 story, 80 x 150 ft., brick and steel, caisson foundation, Pacific Ave., here, to Irwin & Leighton, 126 North 12th St., Phila., $200,000.

N. J., Elizabeth—Clubhouse—King & Campbell, archts. and engrs., 38 West 40th St., New York, 2 story, brick and stone addition, brick foundation, here, to C. Flocken, 681 Newark Ave., for B. P. O. E., 211 Broad St. Noted Nov. 17.

Pa., Greensburg — Hospital — Boring & Tilton, archts. and engrs. 141 East 45th St., New York, addition to Westmoreland Hospital, here, to Burrell & Snyder, Greensburg. $500,000. Noted May 4.

Pa., Phila.—Hospital—Jefferson Medical College, Sansom St., 14 story, brick, steel and stone, plain foundation, Sansom St., to Stone & Webster, 120 Bway., New York, $1,500,000.

Pa., Phila.—Office—Magaziner & Eberhard, archts., 703 Chestnut St., 6 story, 50 x 135 ft. brick, steel and stone, plain foundation, 7th and Chestnut Sts., to Turner Constr. Co., 1716 Sansom St. $500,000. Noted March 30.

Pa., Shenandoah—School—E. G. Perrott, archt., Boyerton Bldg., Phila., 3 story, 60 x 140 ft. brick and steel, plain foundation, to A. Breslin, Summit Hill, for Roman Catholic Church of the Annunciation. $200,000. Noted March 30.

D. C., Wash.—Apartment—Stearn & Tomlinson, archts., Continental Bldg., apartment, 16th St. and Colorado Ave., to Weller Constr. Co., 816 14th St., N. W., $2,000,000. Owner's name withheld.

W. Va., Bluefield — Bank — Commercial Bank of Bluefield, 7 story, 30 x 100 ft., stone and granite, general contract to D. J. Phipps, Roanoke, Va., $120,000. Noted Dec. 15.

W. Va., Hopemont—Hospital—State Bd. Control, c/o J. S. Laken, Charleston, 2 story, here, to Central States Constr. Co., Huntington, $150,000. Noted March 23.

W. Va., Middlebourne—Courthouse and Jail—Tyler Co., 2 story, brick and stone, to G. F. Watson, Middlebourne. Noted March 30.

N. C., Greensboro — Office — Jefferson Standard Life Insurance Co., 17 story, 115 x 187 ft., rein.-con., Market St., to G. A. Fuller Constr. Co., Munsey Bldg., Wash., D. C., $2,000,000. Noted April 20.

S. C., Charleston—Apartment—E. J. Murphy, c/o G. Lloyd Preacher & Co., archts., Healy Bldg., Atlanta, Ga., 3 story, rein.-con., Rutledge Ave. and Beaufain St., to Palmer-Spivey Constr. Co., Charlotte, N. C., $150,000. Noted March 23.

Tenn., Nashville—Office—Natl. Life & Accident Bldg. Co., 7th Ave., 5 story, rein.-con. and stone, 7th Ave. and Union Sts., to Foster-Creighton Co., 4th and 1st Natl. Bank Bldg., $500,000, cost plus percentage basis. Noted March 16.

O., Cleveland—Store and Office—Walker & Weeks, archts., 1900 Euclid Ave., 4 story, 50 x 200 ft., brick and steel, concrete pile foundation, East 4th St. and Euclid Ave., to Craig-Curtiss Co., Cook Bldg., for S. S. Kresge Co., Kresge Bldg., Detroit, Mich. Noted April 27.

O., Coshocton—High School—Bd. Educ. 2 story, 75 x 114 ft., brick, steel and concrete, to R. H. Evans & Co., Canton, $117,000. Noted May 4.

O., Louisville—School—St. Lukes Roman Catholic Church, 2 story, brick and steel, to N. Miller, Massillon, $160,000. Noted March 30.

O., Niles — Temple — Masonic Building Corp., general contract for temple, Church St., to Hess & Noble, Warren, $102,000.

Ind., Bedford—Hotel—Greystone Hotel Co., 6 story, 65 x 137 ft. brick and limestone, to North-Raffin Constr. Co., Indiana Theater Bldg., Terra Haute. $200,000.

Ind., Ft. Wayne—Insurance—Lincoln Natl. Life Insurance Co., Lincoln Life Bldg. 3 story, 114 x 264 ft., brick and steel, Harrison St., to Hegeman & Harris, 185 Madison Ave., New York. $1,000,000. Noted Jan. 26.

Ind., Terra Haute—Apartment—Wabash Apartment Co., 800 South 9th St., 3 story, 60 x 100 ft., brick, rein.-con. and steel, to North-Raffin Constr. Co., Indiana Theater Bldg. $300,000.

Mich., Ann Arbor—Hospital—St. Joseph Sanitorium, 4 story, 100 x 200 ft. rein.-con., brick and steel, University Ave., to A. Bentley & Sons Co., 201-231 Belmont Ave., Toledo, O., $200,000. Noted Feb. 9.

Mich., Detroit—Apartment—H. R. Finn, 606 Woodward Ave., 4 story, 60 x 171 ft. rein.-con., brick and steel, plain foundation, Temple Ave., masonry contract to Mason Constr. Co., 10241 Cameron Ave. Total cost $200,000.

Mich., Grand Rapids—Church—Sacred Heart Congregation, 156 Valley Ave., general contract for 70 x 136 ft. brick church, to J. McNabb & Son, Murray Bldg., $90,000. Total $200,000.

Ill., Chicago—Apartment—Rebori, Dewey & Wentworth, archts., 410 South Michigan Blvd., 2 story, 90 x 149 ft., rein.-con., brick

Building (Continued)

and steel, Schiller and Dearborn Sts., to Dahl-Stedman Constr. Co., 11 South La Salle St. $300,000. Owner's name withheld Noted May 11

Minn., Minneapolis—High School—Archdiocese of St. Paul, 226 Summit Ave., St. Paul. 2 story, 150 x 156 ft., rein.-con., brick and tile, 25-35 West Island Ave., here, to J. A. McDonald Constr. Co., 750 Builders Exchange Bldg., Minneapolis, $185,657.

Minn., Minneapolis—Lodge, Office and Store—Plymouth Lodge No. 160, A. F. & A. M., 3rd St. and Bway., c/o O. E. Ertl, chn. building com., 1331 Oliver Ave., N., 2 and 3 story, 100 x 105 ft., rein.-con., brick, tile and stone, Bway. and Emerson Ave., general contract to H. N. Leighton Co., 127 South 10th St., $92,000. Noted July 28.

Wyo., Laramie—Library—Trustees University of Wyoming, brick library, to J. A. Johnson, Casper, $200,000. Noted Feb. 2.

Mont., Glendive—Passenger Station, etc. —Northern Pacific R.R., Railway Bldg., St. Paul, Minn., 1 and 3 story, 42 x 295 ft. brick, passenger depot and division headquarters, here, general contract to Winston, Grant Co., 801 Globe Bldg., Minneapolis, Minn., $200,000. Noted March 16.

Wash., Seattle—Apartment—Keystone Investment Co., c/o F. H. Fowler, archt., L. C. Smith Bldg., 5 story, 60 x 120 ft., concrete, steel, brick and terra cotta, Terry and Pike Sts., to Great Northern Constr. Co., New York Blk. $150,000.

Cal., Long Beach—Bank and Office—E. John, c/o W. H. Austin, archt., 1st Natl. Bank Bldg., 12 story, 100 x 100 ft., brick and steel, Bway. and American Ave., to J. D. Sherer, 1865 East Anaheim St., $681,000.

Cal., Los Angeles—Hotel—M. Snyder, c/o L. T. Mayo, designer, 531 Black Bldg., 4 story, 71 x 120 ft., brick, Kip and Ingraham Sts., to L. T. Mayo, Black Bldg., $160,000.

Cal., Oakland—Office and Bank—Oakland Bank of Savings, Oakland Bank of Savings Bldg., 16 story annex, 12th St. and Bway., to P. J. Walker Co., Monadnock Bldg., San Francisco, $1,000,000. Noted Feb. 9.

Cal., San Francisco—Apartment—Oser Estate Corp., c/o S. L. Hyman, archt., 68 Post St., 6 story, concrete and steel, Powell and Pine Sts., to Hayes-Oser Co., Call Bldg., $175,000.

Federal Government Work

PROPOSED WORK

D. C., Anacostia—Repairs—Spec. 4648—Bureau Yards & Docks, Wash., D. C., plans repairs to barracks, here.

D. C., Wash.—Storage—Spec. 4640—Bureau Yards & Docks, Navy Dept., plans fuel oil storage at Panama.

Va., Norfolk—Roads and Walks—Spec. 4642—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans roads and walks at Naval Hospital, here.

Va., Quantico—Remodeling—Spec. 4643—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans remodeling hotel here.

Va., Quantico—Wall, etc.—Spec. 4647—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans retaining wall and drainage, here.

Fla., Pensacola—Extension—Spec. 4645—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans extension to landing pier, here.

Fla., Pensacola—Water Front Development—Spec. 4644—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans water front development, here.

Wash., North Head—Operating Building—Spec. 4641—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans operating building, here.

Cal., San Diego—Platform—Spec. 4646—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans landing platform, here.

H. T., Pearl Harbor—Extension to Power Houses — Spec. 4639 — Bureau Yards & Docks, Navy Dept., Wash., D. C., plans extension to power house, here, and also to power houses at Heeia.

H. T., Pearl Harbor—Storage—Spec. 4650—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans fuel oil storage, here.

P. I., Cavite—Refrigerating Plant—Spec. 4649—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans refrigerating plant, here.

BIDS DESIRED

Me., Bar Harbor—Stone—June 22, by U. S. Engineer, Custom House, Boston, Mass., furnishing and placing stone in breakwater near here; adv. this issue.

N. Y., Sayville—Radio Quarters—Spec. 4584—May 31, by Bureau Yards & Docks, Navy Dept., Wash., D. C., radio quarters, here. Noted Feb. 23.

Fla., Pensacola—Tank—Spec. 4633—June 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., 10,000 gal. elevated steel tank, here. Noted May 18.

Tenn., Nashville—Steel Hulls—June 26, by U. S. Engineer, Nashville, 2 steel quarter boat hulls; adv. this issue.

Ky., Vanceburg—Dam—June 19, by U. S. Engineer, 2nd Dist., Cincinnati, O., for Dam 32, Ohio River, near here; adv. this issue.

O., Chilo—Dam—June 19, by U. S. Engineer, 405 Custom House, Cincinnati, for Dam 34, Ohio River, near here; adv. this issue.

Mo., St. Louis—Hospital—June 27, by Treas. Dept., Wash., D. C., 7 buildings for U. S. Veterans Hospital, Jefferson Barracks, here. J. A. Wetmore, acting superv. archts.; adv. this issue.

Cal., Mare Island—Radio Quarters—Spec. 4632—June 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., radio quarters, here. Noted May 4.

Cal., Presidio—(San Francisco P. O.)—Storehouse—May 31, by Constructing Quartermaster, 1 story, 46 x 140 ft., rein.-con., storehouse, at Letterman General Hospital. Noted Oct. 27.

P. R., San Juan—Radio Quarters, etc.—Spec. 4634—June 14, by Bureau Yards & Docks, Navy Dept, Wash., D. C., radio quarters and remodeling building, here. Noted May 18.

CONTRACTS AWARDED

N. Y., Buffalo—Dredging—U. S. Engineer, War Dept., hire of rock drilling plant and dredging in entrance channel, Buffalo River, to Great Lakes Dredge and Dock Co., Morgan Bldg., $22,920. Noted April 20.

Pa., Phila.—Dredging—U. S. Engineer, 815 Witherspoon Bldg., dredging on Liston Range, in Delaware River, to Amer. Dredging Co., 410 Marine and Merchant Bldg., 1,476,600 cu.yd. excav., at $0.18 per cu.yd. scow measurement.

Virginia—Radio Compass Stations—Spec. 4620—Bureau Yards & Docks, Navy Dept., Wash., D. C., radio compass stations, at Virginia Beach, Hog Island, Poyners Hill, Cape Hatteras and Cape Lookout, N. C, to H. M. Lucas, 115 Maple St., Portsmouth, $6,412. Noted May 18.

Miscellaneous

PROPOSED WORK

Electric Lighting System—Binghamton, N. Y.—Bd. Supervs. Broome Co. having plans prepared for electric lighting system on principal state highways. To exceed $25,000. W. H. Weeks, clk.

Distribution System—Olean, N. Y.—Niagara, Lockport & Ontario Power Co., Hinman Rd., Lockport, plans to purchase Olean and Bradford plants and stock of Bradford Electric Co. and build high tension wire from here to Gardenville.

Public Park—Miami, Fla.—Plans public park, $25,000 and Fire Depart. building, $25,000. C. W. Murray, Miami, in charge.

Gas Mains—St. Petersburg, Fla.—Plans extending high pressure gas main on Central Ave. from 30th to 72nd Sts., involving 4.5 mi. of 4 in. c.i. main and 2 mi. of 1¼, 1½ and 2 in. galvanized pipe. $25,000. E. C. Garvin, St. Petersburg, engr.

Gas Pipe Lines—Caledon, Ont.—Dover Oil & Gas Co. plans gas pipe lines from here to Brampton, Orangeville, Georgetown and Acton. $57,000. Prices wanted on pipe, valves, etc.

Grain Elevator—Owen Sound, Ont.—G. H. Thompson interested in syndicate which plans to build rein.-con. and steel grain elevator, 1,000,000 bu. capacity, on waterfront. $400,000. J. H. Tromanhauser, 69 Adelaide St. E., Toronto, engr.

BIDS DESIRED

Drilling Equipment—Forestville, N. Y.—Dickinson-Peck-Fancher Syndicate, taking bids on all material, rigging, pipe, etc., for extensive gas and oil operations. $30,000.

Distribution System—Johnson City, N. Y.—Binghamton Light, Heat & Power Co., 172 Washington St., Binghamton, taking bids for 38 mi. high tension line from here to Sayre, Pa., wood poles, double circuit 33,000 volt., insulators spaced for later use at 66,000 volts. To exceed $200,000. Address R. L. Peterman, vice-pres. and genl. mgr. Hoadley & Giles, Phelps Bldg., Binghamton, engrs.

Car Shed, Etc.—New York, N. Y.—June 2, by Transit Comn., 49 Lafayette St., constructing temporary car shed at side of Lenox Ave. shops, Lenox Ave. and 147th St., Agreement "BY"; installing tracks, incl. frogs, switches, bumping posts and miscellaneous work at and about 147th St. and Lenox Ave. at terminus of Lenox Ave. Subway; frogs, switches, tracks and preparation of tracks for storage of cars, 180th St. Yards, White Plains Rd. Line, Route 18. G. McAneny, chn.

Asphalt Wearing Surface Sand — New York, N. Y. — J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids May 18, furnishing and delivering 10,000 cu.yd. asphalt wearing surface sand, Grade B, from G. A. Colgan, 26 Court St., Brooklyn, $1.10 per cu.yd.; C. W. Crane, 17 Battery Pl., $1.20. Noted May 11.

Road Drags, Graders, etc.—Erie, Pa.—C. H. Fry Constr. Co., Erie, taking bids road drags, scoops, graders and miscellaneous hauling equipment for road construction job near Chapmanville, $1,200-$1,400.

Wood Paving Blocks and Structural Steel—Phila., Pa.—See "Streets and Roads."

Jaw Crusher and Road Roller—Florida—May 30, by State Hy. Dept., Tallahasse, furnishing 1 portable jaw crusher with opening ranging from 11 x 20 in. to 12 x 24 in., with elevator, rotary screen 42 in. diameter, 9 ft. long with 3 ft. dust jacket, screen to be perforated as may be required and approximately 25 ton bin, delivered f.o.b. cars High Springs, Alachua Co.; one 10 ton wheel road roller of standard construction. W. F. Cocke, state highway engr.

Embankment — Gainesville, Fla. — See "Streets and Roads."

Road Oil, etc.—Wauwatosa, Wis.—June 2, by A. V. Brigham, city clk., 20,000 gal. more or less road oil, 500 cu.yd. crushed limestone and 500 cu.yd. of factory cinders.

Crushed Limestone, Asphalt Filler, etc. —St. Paul, Minn.—May 29, by H. W. Austin, city purch. agent, 950 cu.yd. crushed limestone for street repairs; asphalt filler, repressed brick paving blocks, lumber and tar felt for repairing 6th St. Bridge. O. Claussen, city engr.

Electric Distribution System—Hillsboro, N. D.—June 5, by city, discontinuing present local plant and building electric distribution system to be served by transmission line, $35,000. C. L. Pillsbury Co., 1200 2nd Ave. S., Minneapolis, Minn., engrs.

Steam Shovel—Clinton, Mo.—C. G. McKinley in market for steam shovel.

Rock Crusher—Kansas City, Mo.—V. L. Phillips, 700 Delaware St., taking bids for rock crusher.

Rock Crusher—Kansas City, Mo.—V. L. Phillips Co., 700 Delaware St., in market for rock crusher, mounted outfit, but can use small jaw crusher on skids.

Bucket, Motor, Derrick and Hoist—San Francisco, Cal.—Pratt Bldg. Material Co., 518 Hearst Bldg., in market for ¾ yd. clam shell bucket, 35-40 hp. motor and stiff leg derrick with double drum hoist, steam or electrical driven.

Swimming Baths, Ottawa, Ont.—May 30, by Bd. Control, concrete, brick and tile swimming baths, one on King Edward and York Sts., other on Somerset and Preston Sts., $65,000 each. Millson & Burgess, 209 Sparks St., and W. E. Noffke, Central Chambers, archts. Noted April 20.

Circular Pipe—Manchester, N. H.—June 5, by E. R. Conant, Surv. Dept. Highways, approximately 5,000 lin.ft. 48-84 in. rein.-con. circular pipe.

CONTRACTS AWARDED

Boardwalk—Rockaway Park (Far Rockaway P. O.), **N. Y.**—Park Bd., Municipal Bldg., New York, rein.-con. raised walk on beach, here, to P. J. Donlon Contg. Co., Snyder Ave. and East 41st St., Brooklyn, $119,447. Noted May 18.

Coal Hopper—Secaucus (Weehawken P. O.), **N. J.**—Hudson Co. (Jersey City) concrete coal hopper, here, to Stillman, Delehanty & Ferris Co., 76 Montgomery St., Jersey City, $34,834.

Stadium—Phila., Pa.—University of Penna., 34th and Spruce Sts., 472 x 673 ft. concrete, brick and steel, to Turner Constr. Co., 1713 Sansom St., $600,000. Noted Feb. 9.

Tractor—Pine City, Minn.—Pine Co., one 40-65 tractor, able to pull 12 ft. grader, to Twin City Truck Mfg. Co., 330 South 6th St., Minneapolis, $3,850. Noted March 30.

Portland Cement—Napa, Cal.—Furnishing and delivering 1,000 bbl. portland cement, to F. G. Noyes Co., Napa, 700 bbl. delivered to St. Helena, $3.28 per bbl., 300 bbl. delivered to Napa, $3.13. Noted April 27.

Ferryboats—Oakland, Cal.—San Francisco-Oakland Terminal Railways, 22nd and Grove Sts., constructing 2 steel double-end ferryboats, to Los Angeles Ship Building & Drydock Co., San Pedro, $587,000.

Granite Blocks—Montreal, Que.—Executive Com., 100,000 granite blocks, to W. McNally & Co., McGill St., $113 per M. Noted May 4.

Electric Lighting and Power System—Crediton, Ont.—Electric lighting and power distribution system, incl. 3 mi. transmission line, to Ontario Hydro Power Comn., 190 University Ave., Toronto. $35,000.

OFFICIAL PROPOSALS

Bids: June 2.

State Highway Route No. 5—Section No. 9

Belvidere, N. J.

Notice is hereby given that sealed bids will be received by the County of Warren for the following: Construction of State Highway Route No. 5, Section No. 9, Barkers Corner, Hackettstown; estimated amount of reinforced cement concrete pavement is 46,425 square yards.

Work is to be performed under County Reimbursement Act, Chapter 183, laws of 1918, and amended by Chapter 317, laws of 1920.

Bids will be received at the office of the Board of Chosen Freeholders, Court House at Belvidere, N. J., on Friday, June 2, 1922, at 2 o'clock p. m., Standard Time.

Drawings, specifications and form of contract and bond for the proposed work are on file in the office of Harry W. Vetter, County Engineer, at Belvidere, N. J., and in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of ten dollars ($10.00) upon application to Harry W. Vetter, County Engineer Bids must be made on the standard proposal forms in the manner designated therein and as required by the specifications, enclosed in sealed envelopes, addressed to the Board of Chosen Freeholders of the County of Warren and bearing the name and address of the bidder and the name and section of the route on the outside. Bid must be accompanied by a certified check drawn to the order of H. O. Carhart, County Treasurer, for no less than ten per cent (10%) of amount of the bid, provided that said certified check shall not be less than $500.00 nor more than $20,000.00, and be delivered at the above place on or before the hour named. Copies of the standard proposal form will be furnished on application to Harry W. Vetter, County Engineer.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditions for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a statement of equipment properly filled out.

By order of a resolution of the Board of Chosen Freeholders of the County of Warren passed at a meeting held on May 6, 1922. MORRIS S. FAUST, Clerk

Bids: June 2.

Paving

Westfield, N. Y.

The Village of Westfield, New York, will open bids on June 2 at 7 o'clock p.m. at Trustees' Room in Firemen's Hall for paving parts of North Portage and English Streets.

The plans call for brick surface with bituminous filler and concrete base.

The total length is about 3,200 feet. The width varies up to 40 feet. Area about 8,500 square yards. Six thousand feet of concrete curb.

Plans and specifications may be seen at Village Clerk's office in Westfield, New York.

J. A. RILEY, Village Clerk.

Bids: May 31.

Highway Work Four Sections

Baltimore, Md.

SEALED PROPOSALS for building four sections of State Highway, as follows:

Queen Annes Co. Contract Q-23. One section of State Highway from end of Contract Q-18 at Carville to intersection with present State road ½ mile north of Centerville a distance of 2.11 miles (concrete).

Caroline Co. Contract CO-31. One section of State Highway from end of Contract CO-26 at Ridgely toward Balte. Corner for a distance of 1.5 miles (concrete).

Dorchester Co. Contract D-27. One section of State Highway from East New Market to Secretary a distance of 1.75 miles (concrete).

Baltimore City Contract BC-38 One section of State Highway along the Falls Road between Maryland Ave. and 36th Street a distance of 1.87 miles (Sheet Asphalt), will be received by the State Road Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. Standard Time on the 31st day of May, 1922, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 11th day of May, 1922.

J. N. MACKALL, Chairman,
L. H. STEWART, Secretary.

Bids: June 6.

Grading and Paving

Hillsdale, N. J.

SEALED PROPOSALS will be received by the Township Committee of the Township of Hillsdale, Bergen County, New Jersey, at Firemen's Hall, Park Avenue and Valley Street, Hillsdale, New Jersey, on Tuesday, June 6th, 1922, at 7:30 p.m., Standard Time, for the grading and construction of concrete sidewalks, curbs and gutters on the easterly side of Railroad Avenue from the south township line north to Washington Avenue, and for the grading and construction of concrete sidewalks and curbs on both sides of Summitt Avenue from Washington Avenue on the south to Piermont Avenue on the north except where curb, sidewalk and gutter are now constructed or existing.

Approximate quantities are as follows:
1,868 lin.ft. concrete curb.
9,276 sq.ft. concrete sidewalk.
1,200 sq.ft. concrete driveway.
100 cu.yd. concrete retaining wall.
134 lin.ft. 10-in. V.C. pipe inc. excavation and backfill.

Or such part of the specified work not performed by the abutting owners on or before August 1st, 1922.

Plans and specifications may be seen and blank forms of proposals obtained at the office of the Township Engineer, Henry G. Hering, Jr., Westwood Theatre Bldg., Westwood, N. J.

All proposals shall be made upon the blank forms furnished by the Township Engineer.

All proposals shall be accompanied by a certified check for 10 per cent of the total amount of the bid submitted, drawn to the order of the Township of Hillsdale as a guarantee of the genuineness of the proposal.

The right is reserved to reject any or all proposals.

ALBERT H. STORMS, Chairman.
GEORGE M. YATES, Clerk.
Dated May 16, 1922.

Bids: June 12.

Water-Mains; Setting Hydrants, Valves, etc.

Mendham, N. J.

Notice is hereby given that sealed proposals will be received by the Mayor and Common Council of the Borough of Mendham, New Jersey, on Monday, June 12th, 1922, at eight o'clock p.m. (Daylight Saving Time), at the Fire House, Main Street, Mendham, N. J., at which time and place the said proposals will be opened and read, for laying water-mains and setting hydrants, valves, etc., in said Borough of Mendham.

Proposals must be addressed to Leo Robinson, Borough Clerk, Mendham, New Jersey, and marked "Proposal for Laying Water-Mains." Each proposal must be accompanied by a certified check, drawn to the order of the Borough of Mendham, New Jersey, for the sum of One Thousand Dollars.

Specifications and information for bidders may be obtained from the Borough Clerk. A deposit of $10 will be required from the bidders receiving the plans and specifications for this work, which will be returned upon the return of the plans and specifications to the Borough.

The Mayor and Common Council reserve the right to reject any or all bids.

LEO ROBINSON,
Borough Clerk.

Bids: June 6.

Grading and Paving

Hillsdale, N. J.

SEALED PROPOSALS will be received by the Township Committee of the Township of Hillsdale, Bergen County, New Jersey, at Firemen's Hall, Park Avenue and Valley Street, Hillsdale, New Jersey, on Tuesday, June 6th, 1922, at 7:30 p.m., Standard Time, for the grading and construction of concrete sidewalk and concrete curb on both sides of Park Avenue from Valley Street to Summitt Avenue; and on both sides of Valley Street from Hillsdale Avenue to Park Avenue and on both sides of Hillsdale Avenue from Taylor Street to Magnolia Avenue; and on both sides of Cross Street from Summitt Avenue to Magnolia Avenue and on both sides of Central Avenue from Park Avenue to Piermont Avenue, except where curb and sidewalk are now constructed or existing.

Approximate quantities are as follows:
5,923 lin.ft. concrete curb.
23,880 sq.ft. concrete sidewalks.
5,140 sq.ft. concrete driveway.
200 sq.ft. concrete gutter.
300 cu.yd. excavation (unclassified) above finished grade.

Or such part of the specified work not performed by the abutting owners on or before August 1st, 1922.

Plans and specifications may be seen and blank forms of proposals obtained at the office of the Township Engineer, Henry G. Hering, Jr., Westwood Theatre Bldg., Westwood, N. J.

All proposals shall be made upon the blank forms furnished by the Township Engineer.

All proposals shall be accompanied by a certified check for 10 per cent of the total amount of the bid submitted, drawn to the order of the Township of Hillsdale as a guarantee of the genuineness of the proposal.

The right is reserved to reject any or all proposals.

ALBERT H. STORMS, Chairman.
GEORGE M. YATES, Clerk.
Dated May 16, 1922.

Bids: June 12.

Cast Iron Water Pipe and Special Castings

Mendham, N. J.

Notice is hereby given that sealed proposals will be received by the Mayor and Common Council of the Borough of Mendham, New Jersey, on Monday, June 12th, 1922, at eight o'clock p.m. (Daylight Saving Time), at the Fire House, Main Street, Mendham, at which time and place the said proposals will be opened and read, for furnishing about 250 tons of hub and spigot cast-iron water-pipe and about 6,000 lb. of hub and spigot special castings.

Proposals must be addressed to Leo Robinson, Borough Clerk, Mendham, New Jersey, and marked "Proposal for Water Pipe." Each proposal must be accompanied by a certified check, drawn to the order of the Borough of Mendham, New Jersey, for the sum of One Thousand Dollars.

Specifications and information for bidders may be obtained from the Borough Clerk.

The Mayor and Common Council reserve the right to reject any or all bids.

LEO ROBINSON,
Borough Clerk.

Bids: June 12.

Reinforced Concrete Bridge and Tumbling Dam No. 449

Salem, N. J.

Sealed proposals for bids for the construction of the above structure will be received by the Bridge Committee of the Board of Chosen Freeholders of the County of Salem at the Court House at Salem, New Jersey, on Monday, June 12, 1922, until 2 p.m., Standard Time.

The bridge is over Salem Creek on Mill Street, Woodstown, N. J. The work to be done is:

The removal of the present bridge, including its substructure, and the construction of a reinforced concrete tumbling dam and bridge with two spans of 20 feet and a roadway of 20 feet. The entire structure contains about 505 cubic yards of concrete.

For further information apply to H. B. Keasbey, County Engineer, Mecum Building, Salem, N. J.

ERWIN G. OCHS, Clerk.
May 10, 1922.